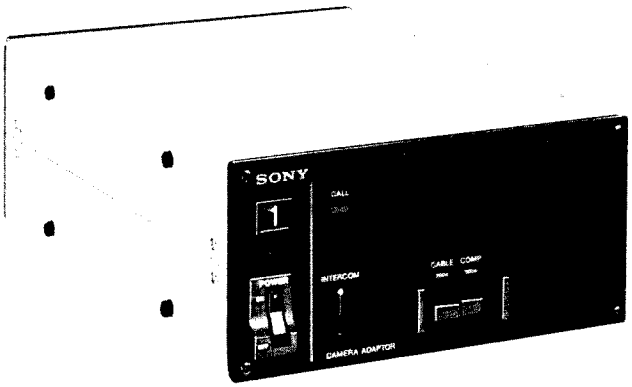
CA-M3P

CAMERA ADAPTOR

VOL.-1
GENERAL DESCRIPTION
DIAGRAM
SPARE PARTS



SONY
SERVICE MANUAL

SPECIFICATIONS

Power requirements
13 V (13 V to 28 V) dc (supplid by a CMA-9CE camera ac adaptor)

Power consumption
CHU adaptor: 1 W
CCU adaptor: 9 W

Input and output

CCU adaptor
- VBS OUT (BNC type) × 1
  1.0 Vp-p, VBS, 75 ohms
  (V: 0.7 V, B: 0.3 V, S: 0.3 V)
- R/B/G/ (BNC type) 1 each
  0.7 Vp-p, 75 ohms
- SYNC OUT (BNC type) × 1
  4 Vp-p, 75 ohms, negative
- GEN LOCK IN/OUT (BNC type)
  1 each
  VBS (1 Vp-p) or black burst (0.3 Vp-p), loop-through
- RETURN VIDEO IN/OUT (BNC type)
  1 each
  VBS, 1 Vp-p, loop-through
- CCU (14-pin, Q type)
- CHU ADAPTOR (26-pin)
- MIC OUT (XLR 3-pin)
- DC OUT (DIN 4-pin)
- POWER IN (14-pin, Q type)
- TALLY/INTERCOM (DIN 4-pin)
- VF (DIN 8-pin)
- INTERCOM (mini intercom jack)
- SERIAL DATA IN (mini jack)

CHU adaptor
- CAMERA (14-pin, Q type)
- CCU ADAPTOR (26-pin)
- MIC IN (XLR 3-pin)
- SERIAL DATA OUT (mini jack)
- GEN LOCK (BNC type)

Operating temperature
−10°C to +45°C
(−14°F to +113°F)

Storage temperature
−20°C to +50°C
(−4°F to +122°F)

Dimensions
- CCU adaptor: Approx. 213 × 105 × 306.5 mm (w/h/d) ($4\frac{1}{4} \times 8\frac{1}{2} \times 12\frac{1}{8}$ inches)
- CHU adaptor: Approx. 90 × 117 × 81 mm (w/h/d) ($4\frac{5}{8} \times 3\frac{1}{4} \times 3\frac{5}{8}$ inches)

Weight
- CCU adaptor: Approx. 3.8 kg (8 lb 6 oz)
- CHU adaptor: Approx. 430 g (15 oz)

Accessories supplied
- CCQ-0.3AM camera cable (1)
- CCQ-0.6AM camera cables (2)
- 75-ohm coaxial cable with BNC connectors (1)
- DC power cord with DIN 4-pin connectors (1)
- Battery adaptor shoe fitting (for DXC-M3P camera) (1)
- Tally indication segments (1 set)

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SECTION 1
GENERAL DESCRIPTION

1-1. FEATURES

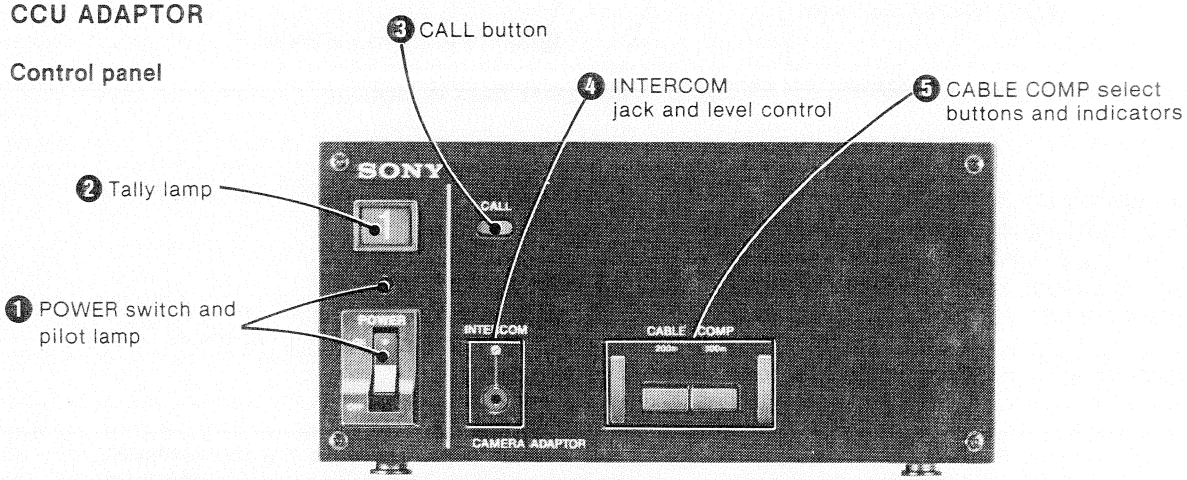
- Cable extension up to 300 m is possible between the camera and the camera control unit.
- High quality audio and video signals are maintained in the system.
- The CCU adaptor can be mounted in a standard 19-inch rack.

1-2. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Each number in the photos is keyed to the descriptive text.

CCU ADAPTOR

Control panel



❶ POWER switch and pilot lamp
Press the ON side of this switch to turn on the power to this unit. The pilot lamp will light, indicating that the power is on.

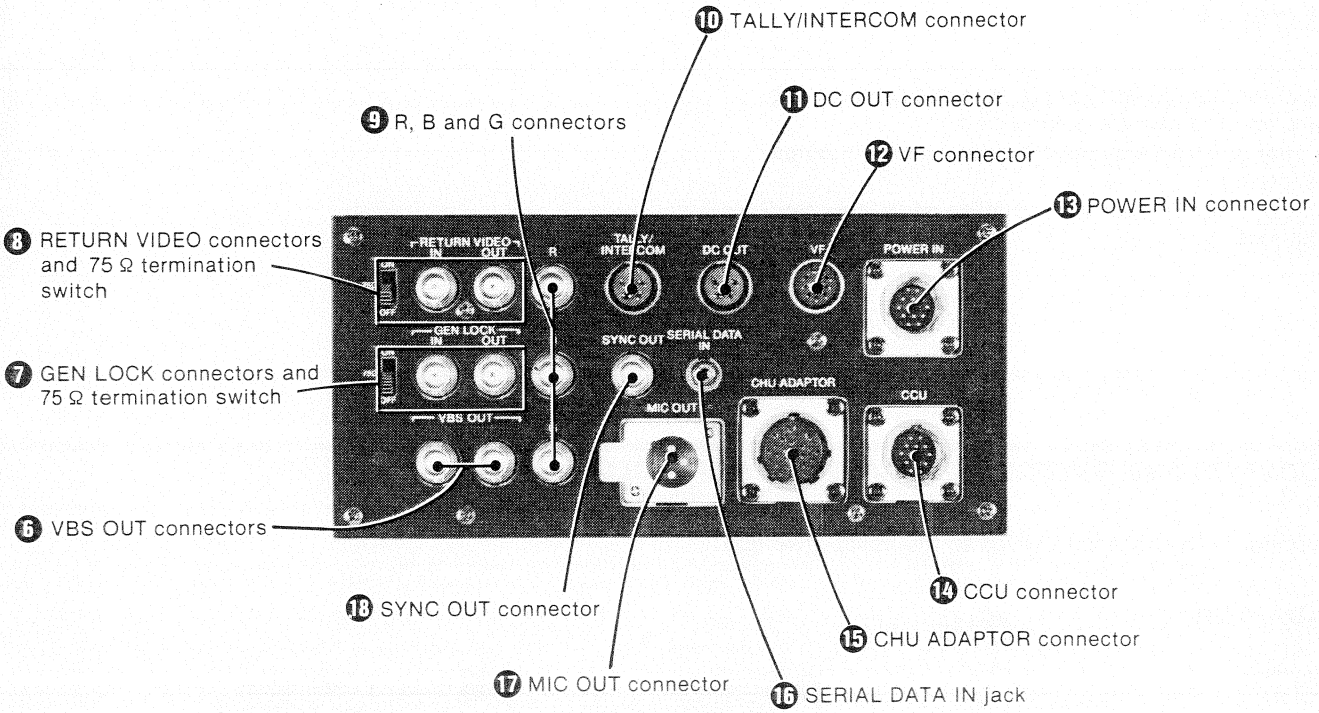
❷ Tally lamp
When the picture of the camera paired with this unit is selected by a control console, a special-effects generator, etc., this lamp and the camera's tally lamp light up to indicate recording.
The tally lamp also lights up when the CALL button of this unit is pressed.

❸ CALL button
Press to call the camera operator. The tally lamp of the viewfinder connected to the camera and the tally lamp of this unit light up while this button is pressed.

❹ INTERCOM jack (mini intercom jack) **and level control**
Connect a DR-100 intercom headset (optional) to this jack to communicate with the operators of this unit, the camera and the control console. The sound volume at the headset can be adjusted by turning the level control with a small screwdriver.

❺ CABLE COMP (compensation) select buttons and indicators
The deviation in the frequency response and in the output level between the cameras when two or more cameras are used in one system, which is caused by the different lengths of the cables, can be compensated for with these buttons. Press the 200 m or 300 m button, depending on the length of the camera cable. The indicator above the selected button will light.

Connector panel



⑥ VBS OUT (output) connectors (BNC type)
A VBS (video, burst, sync) signal is output from these connectors. Connect to a video input connector of video equipment, such as a VTR, special-effect generator, chroma keyer, etc.

⑦ GEN LOCK connectors (BNC type) **and 75 Ω termination switch**

IN connector
Connect a black burst or VBS signal for reference to synchronize the camera with an external sync signal.

OUT connector
The reference input signal to the IN connector is output directly from this connector (a loop-through configuration).
To supply the reference singal to another video equipment, connect this connector to the gen-lock input connector of the video equipment.

75 Ω termination switch
When only the GEN LOCK IN connector is used, set this switch to ON.
When both the GEN LOCK IN and OUT connectors are used (a loop-through configuration), set this switch to OFF.

⑧ RETURN VIDEO connectors (BNC type) **and 75 Ω termination switch**

IN connector
Connect to the video output from a control console or a VTR to feed the return video signal to the camera viewfinder.

OUT connector
The return video input signal to the IN connector is output directly from this connector (a loop-through configuration).
To supply the return video signal to another video equipment, connect this connector to the return video input connector of the video equipment.

75 Ω termination switch
When only the RETURN VIDEO IN connector is used, set this switch to ON. When both the RETURN VIDEO IN and OUT connectors are used (a loop-through configuration), set this switch to OFF.

⑨ R, B and G connectors (BNC type)
R, B and G video signals from the camera are output from these connectors. Connect to the R, B and G input connectors of a monitor or a chroma keyer.

⑩ **TALLY/INTERCOM connector** (DIN 4-pin)
Connect to the tally/intercom connector of a control console, chroma keyer, special-effects generator, etc.

⑪ **DC OUT (output) connector** (DIN 4-pin)
Connect to the DC IN connector of the CCU-M3P camera control unit to supply power to the CCU.

⑫ **VF (viewfinder) connector** (8-pin)
By connecting an optional viewfinder, such as a DXF-40CE viewfinder, it is possible to monitor the camera picture.

⑬ **POWER IN (input) connector** (14-pin)
Connect to the CAMERA connector of the CMA-9CE camera ac adaptor using the CCQ-0.6AM camera cable (supplied) to supply power to this unit.

⑭ **CCU (camera control unit) connector** (14-pin)
Connect to the CAMERA connector of the CCU-M3P camera control unit using the CCQ-0.6AM camera cable (supplied).

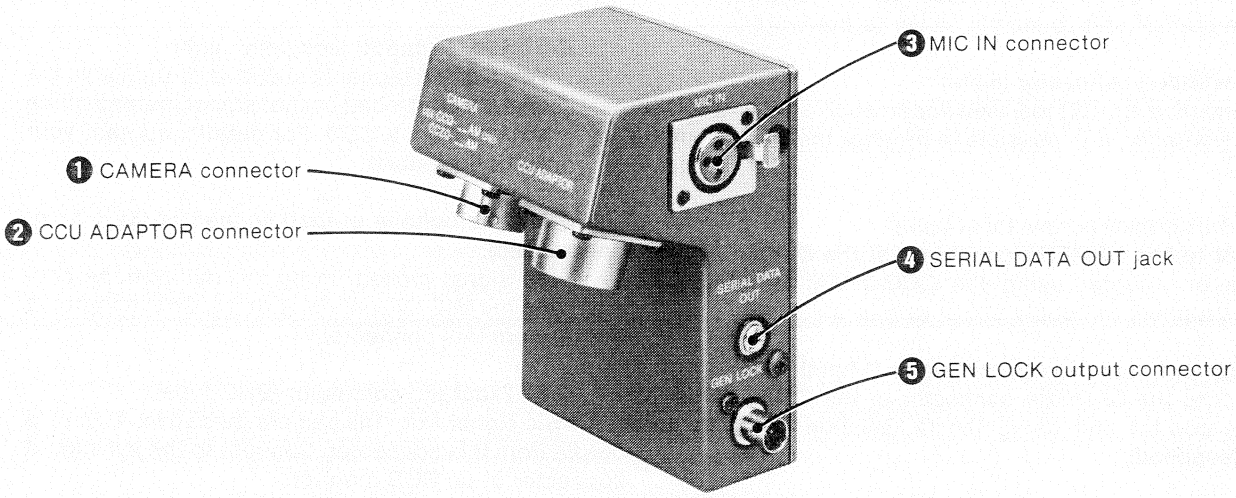
⑮ **CHU (camera head) ADAPTOR connector** (26-pin)
Connect to the CCU ADAPTOR connector of the CHU adaptor using a CCZ-M100 camera cable (optional) to supply power, control signals, etc. to the camera and to receive video signals from the camera and audio signals from the CHU adaptor.

⑯ **SERIAL DATA IN (input) jack** (mini jack)
When a serial data signal is supplied to this jack, the camera can be controlled by that signal instead of the control signal from a CCU. For details, contact your authorized Sony dealer.

⑰ **MIC OUT (microphone output) connector** (XLR 3-pin, unbalanced)
An audio signal picked up by the microphone connected to the MIC IN connector of the CHU adaptor is output from this connector.

⑱ **SYNC OUT (output) connector** (BNC type)
The sync signal from the camera (negative, 4 Vp-p) is output from this connector. Connect to the sync input connector of an RGB monitor.

CHU ADAPTOR



❶ CAMERA connector (14-pin)
Connect to the VTR/CCU/CMA or camera cable connector of the camera using the supplied CCQ-0.3AM camera cable. For connection with a BVP-150 series color video camera, use a CCZQ-0.3AM camera cable (optional).

❷ CCU ADAPTOR connector (26-pin)
Connect to the CHU ADAPTOR connector of the CCU adaptor using a CCZ-M100 camera cable (optional).

❸ MIC IN (microphone input) connector (XLR 3-pin, unbalanced)
When a microphone is to be used for camera recording, connect a microphone to this connector instead of the MIC IN connector of the camera.

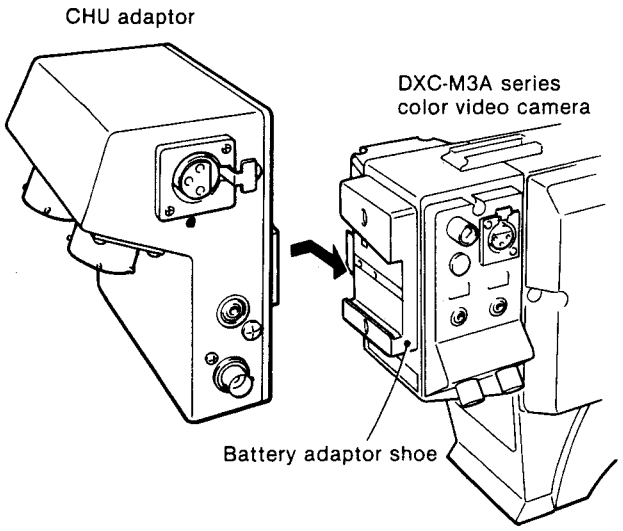
❹ SERIAL DATA OUT (output) jack (mini jack)
The serial data signal input to the SERIAL DATA IN jack of the CCU adaptor is fed to the microprocessor of the camera and simultaneously output from this jack. This signal can be used for optionally available remote control functions (such as focusing, panning, tilting, etc.) of the camera. For details, contact your authorized Sony dealer.

❺ GEN LOCK output connector (BNC type)
This connector outputs a gen-lock signal synchronized with the VBS or BS signal input to the CCU adaptor. Connect this connector to the GEN LOCK input connector of the camera using the supplied 75-ohm coaxial cable.

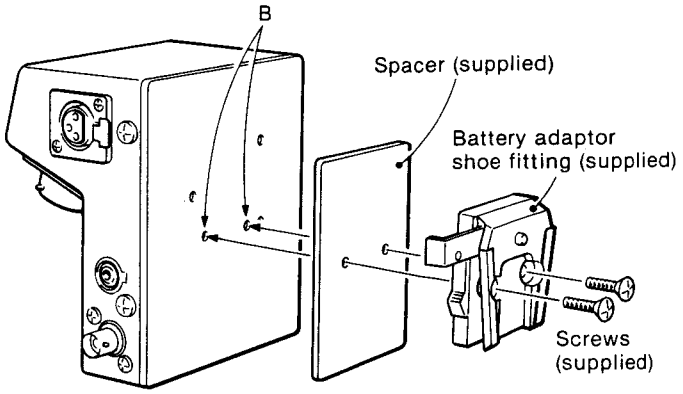
1-3. HOW TO ATTACH THE CHU ADAPTOR TO THE CAMERA

HOW TO ATTACH TO A DXC-M3A SERIES COLOR VIDEO CAMERA

Insert the CHU adaptor into the battery adaptor shoe on the camera as illustrated.



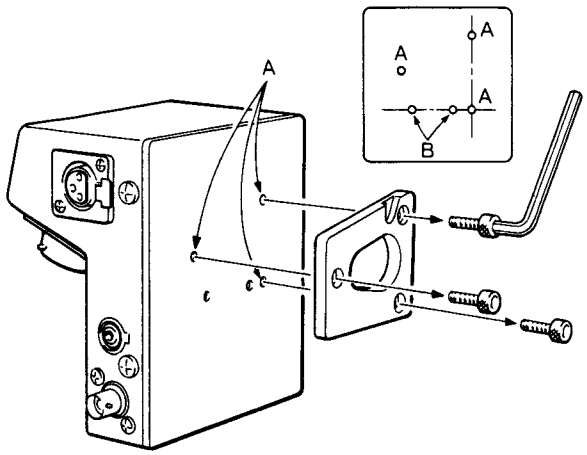
2 Attach the supplied spacer and battery adaptor shoe fitting with the two supplied screws.

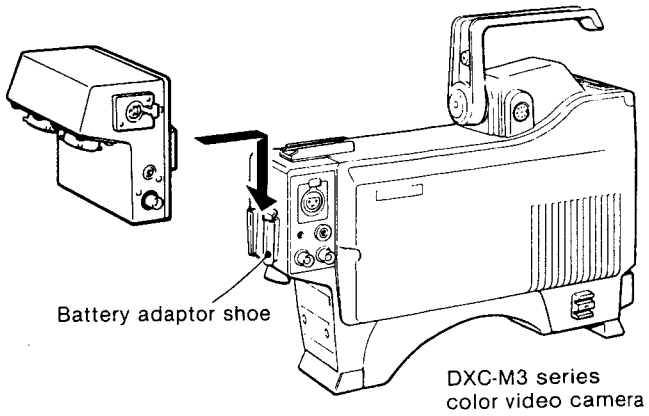


3 Insert the CHU adaptor into the battery adaptor shoe on the camera.

HOW TO ATTACH TO A DXC-M3 SERIES COLOR VIDEO CAMERA

1 Detach the battery adaptor shoe fitting from the CHU adaptor by removing the three screws.



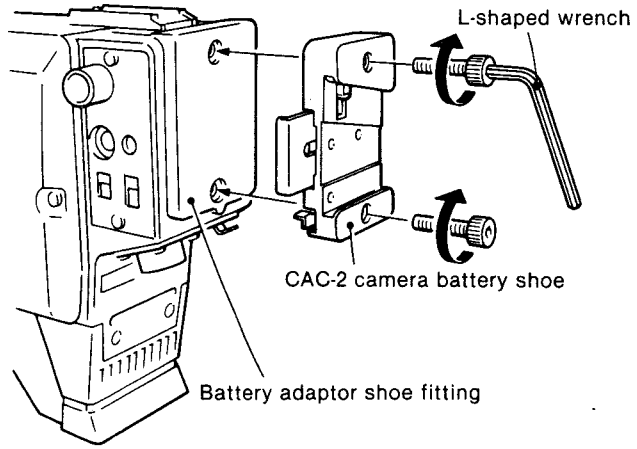


HOW TO ATTACH TO A DXC-M2 OR BVP-150 SERIES COLOR VIDEO CAMERA

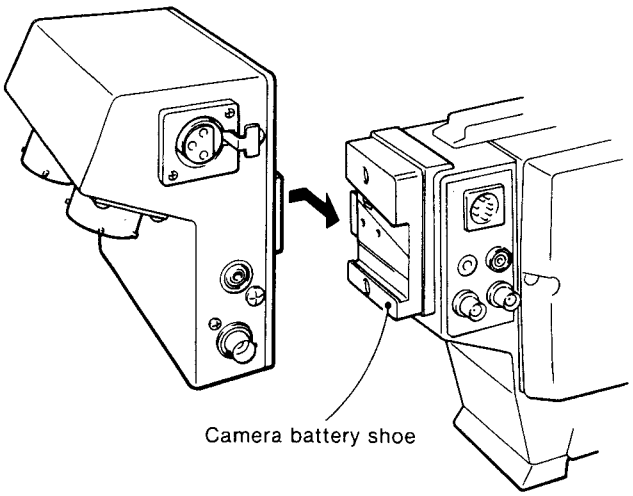
1 Remove the two screws from the battery adaptor shoe fitting of the camera.

2 Attach a CAC-2 camera battery shoe (optional) to the camera with these screws.

DXC-M2 series or BVP-150 series color video camera

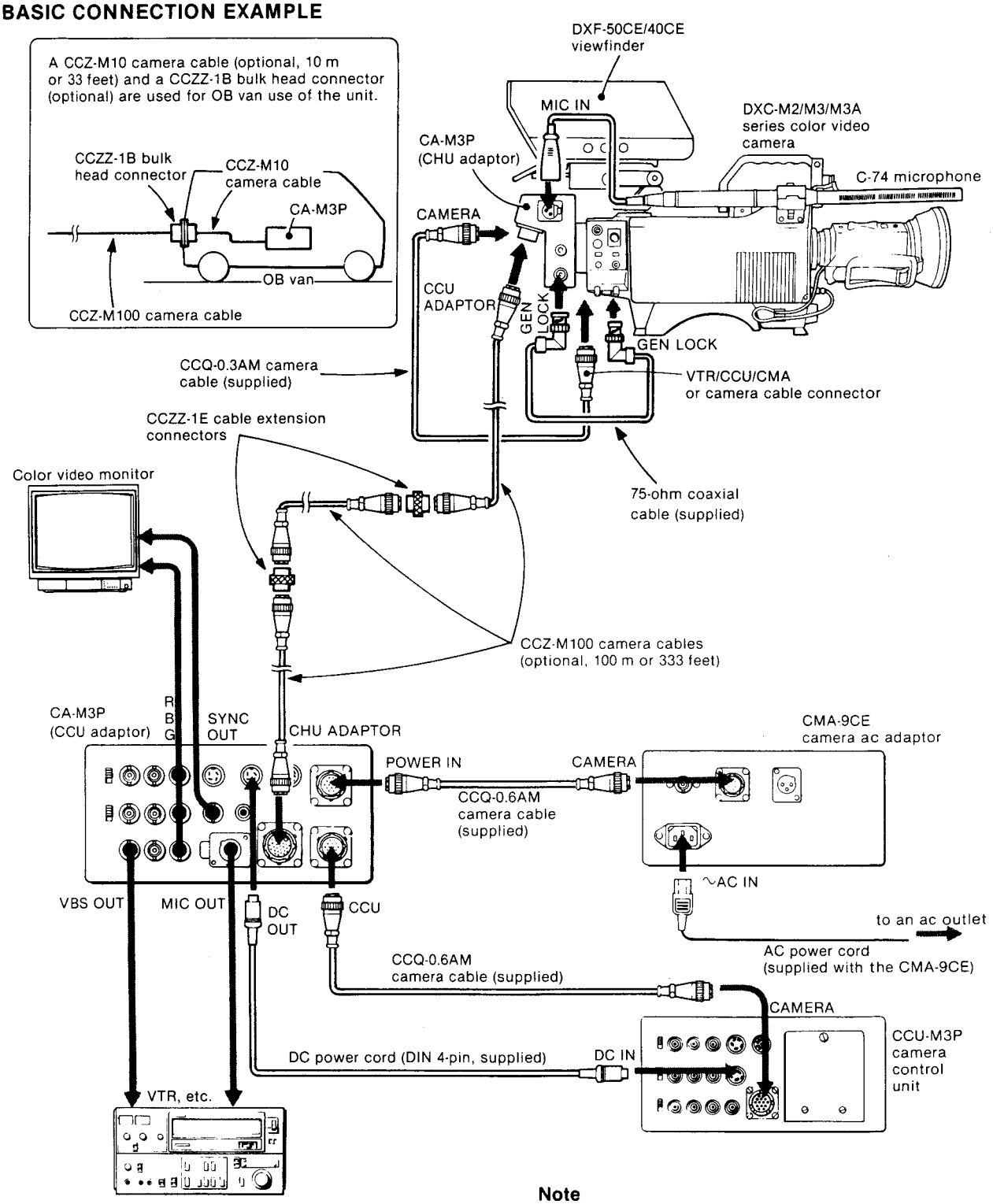


3 Insert the CHU adaptor into the camera battery shoe.



1-4. CONNECTION EXAMPLES

BASIC CONNECTION EXAMPLE

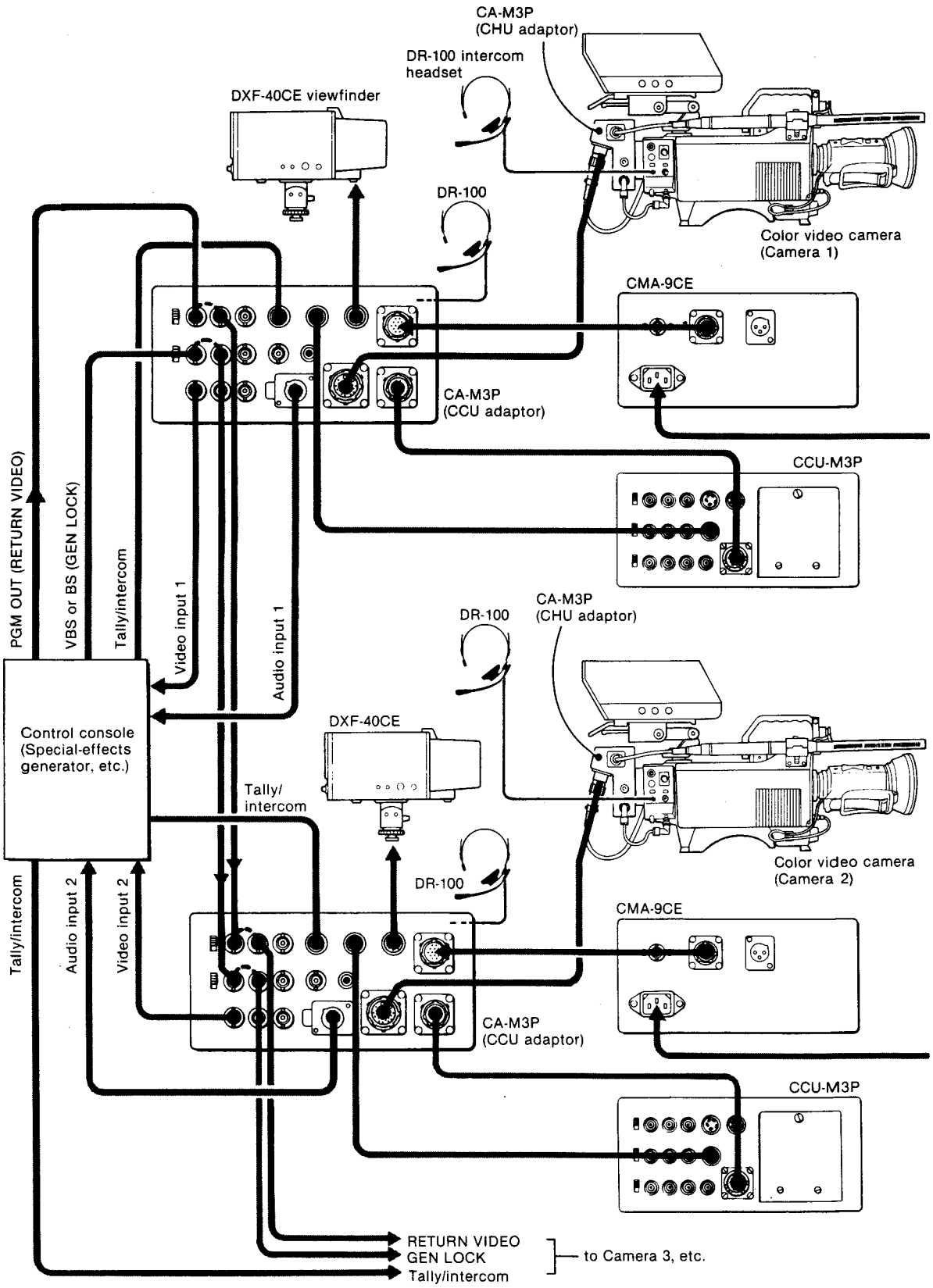


When a BVP-150 series color video camera is used in the system, use an optional CCZQ-0.3AM camera cable instead of the CCQ-0.3AM camera cable.

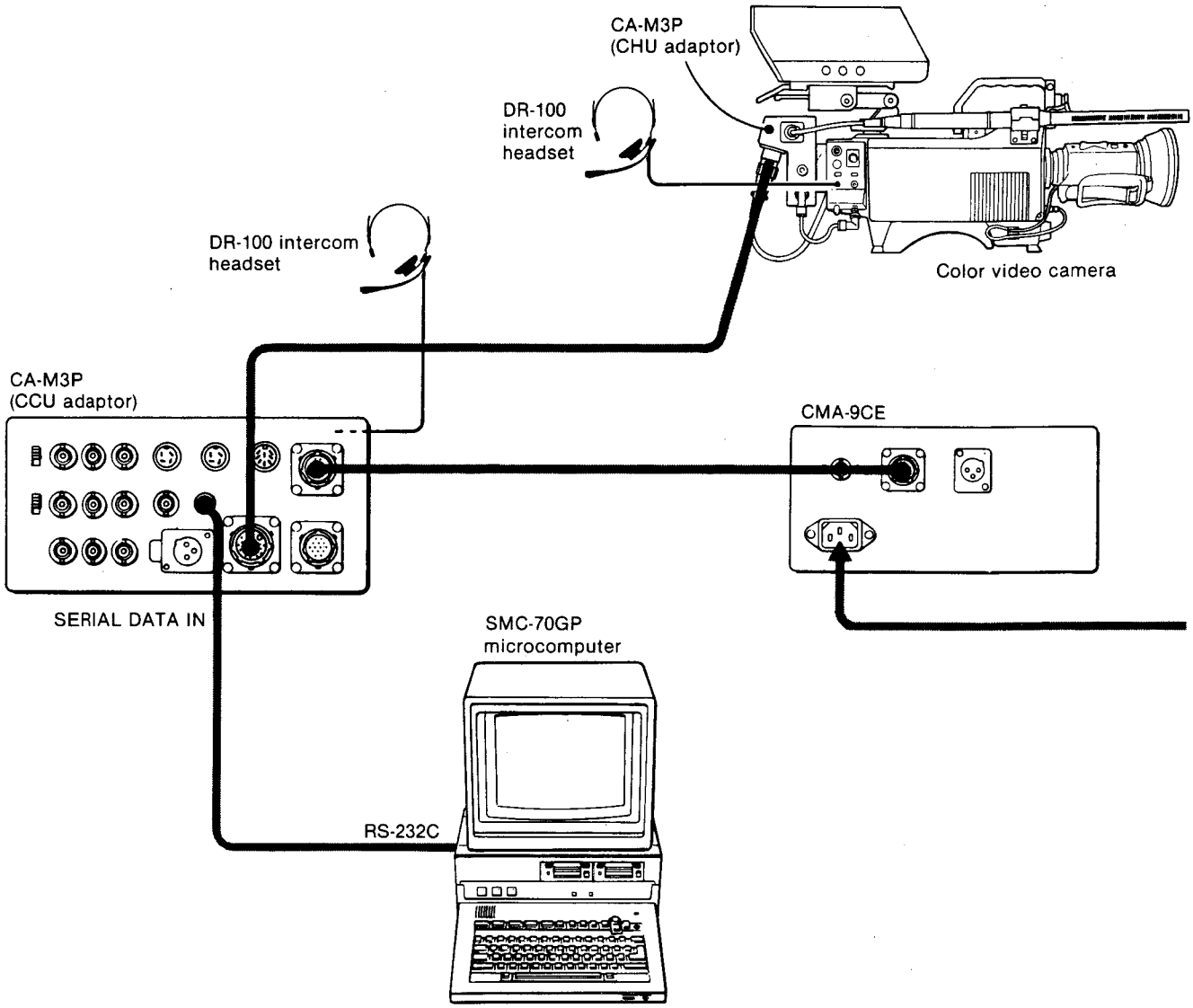
Note

When the CA-M3P is connected to the CCU-M3P camera control unit, video (VBS and VB), R, B and G, gen lock, sync, return video, and tally signals are not output from the camera control unit. (Only control signals are output from the camera control unit.)

CONNECTION EXAMPLE USING TWO OR MORE CAMERAS



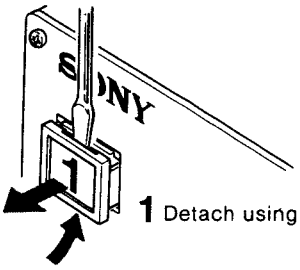
CONNECTION EXAMPLE USING A MICROCOMPUTER



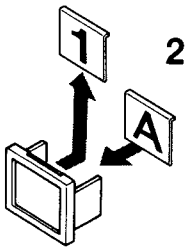
1-5. TALLY LAMP INDICATION

The tally lamp will light when the camera connected to this unit is selected on the control console, the special-effects generator, etc., or when the CALL button on this unit is pressed to call the camera operator.
The indication on the tally lamp can be changed by changing the tally lamp indication segments (supplied) as illustrated.

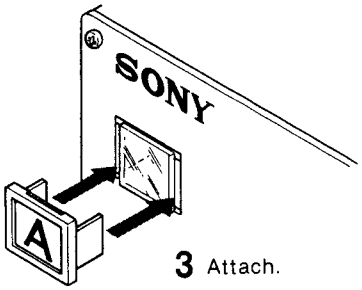
Changing the tally lamp indication



1 Detach using the screwdriver.



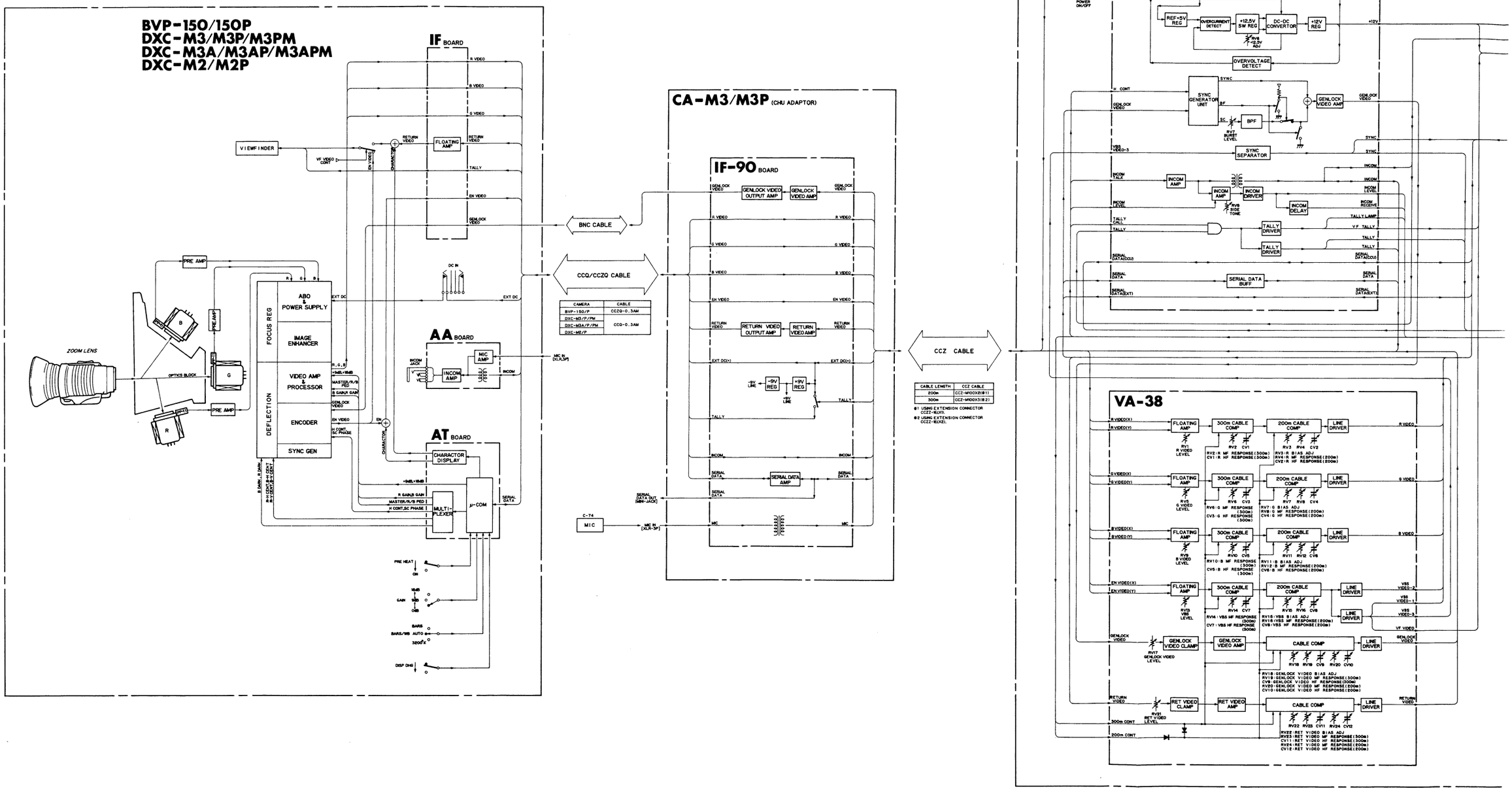
2 Change the tally indicator (supplied).

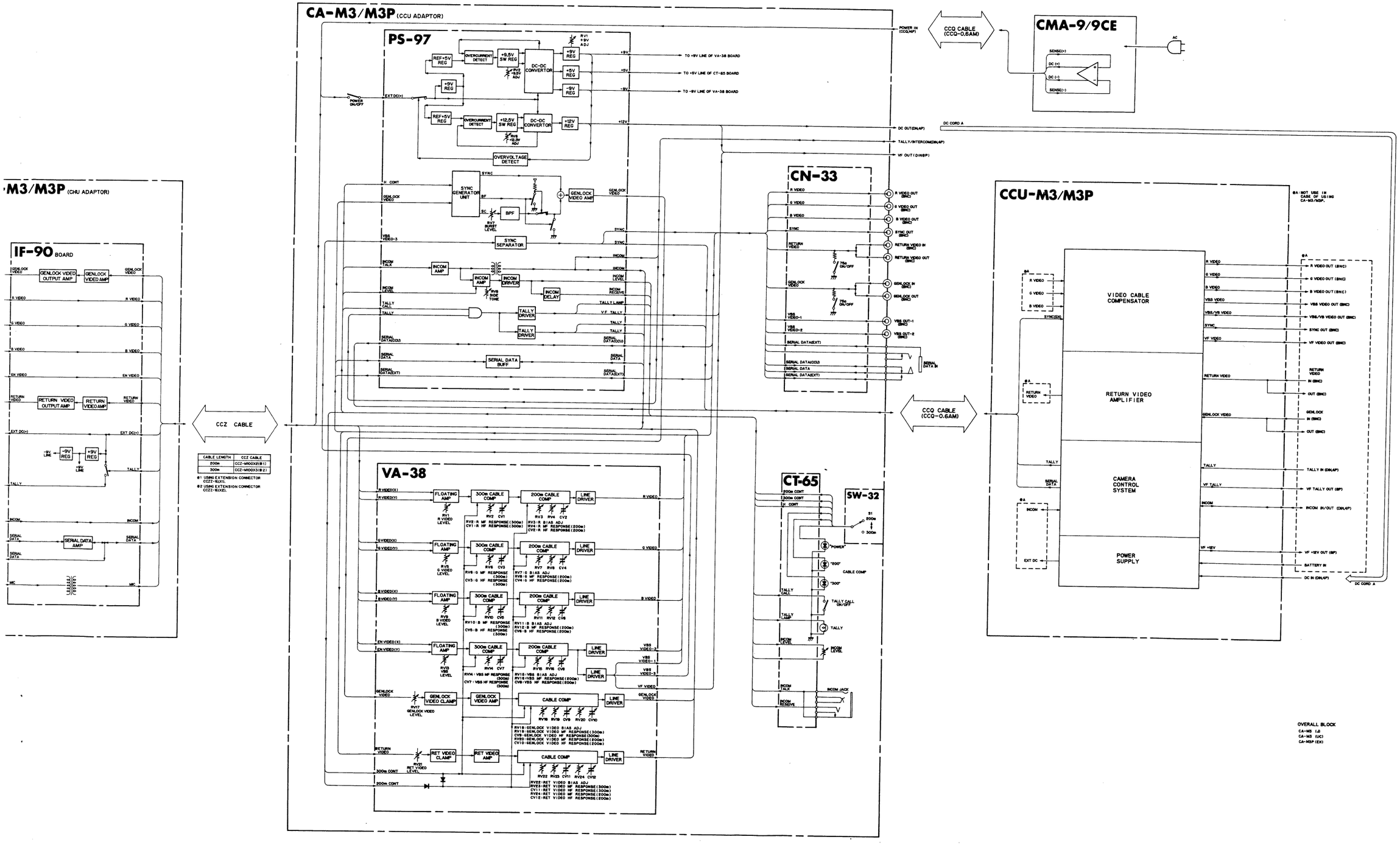


3 Attach.

SECTION 2
DIAGRAM

2-1. BLOCK DIAGRAM
OVERALL SYSTEM



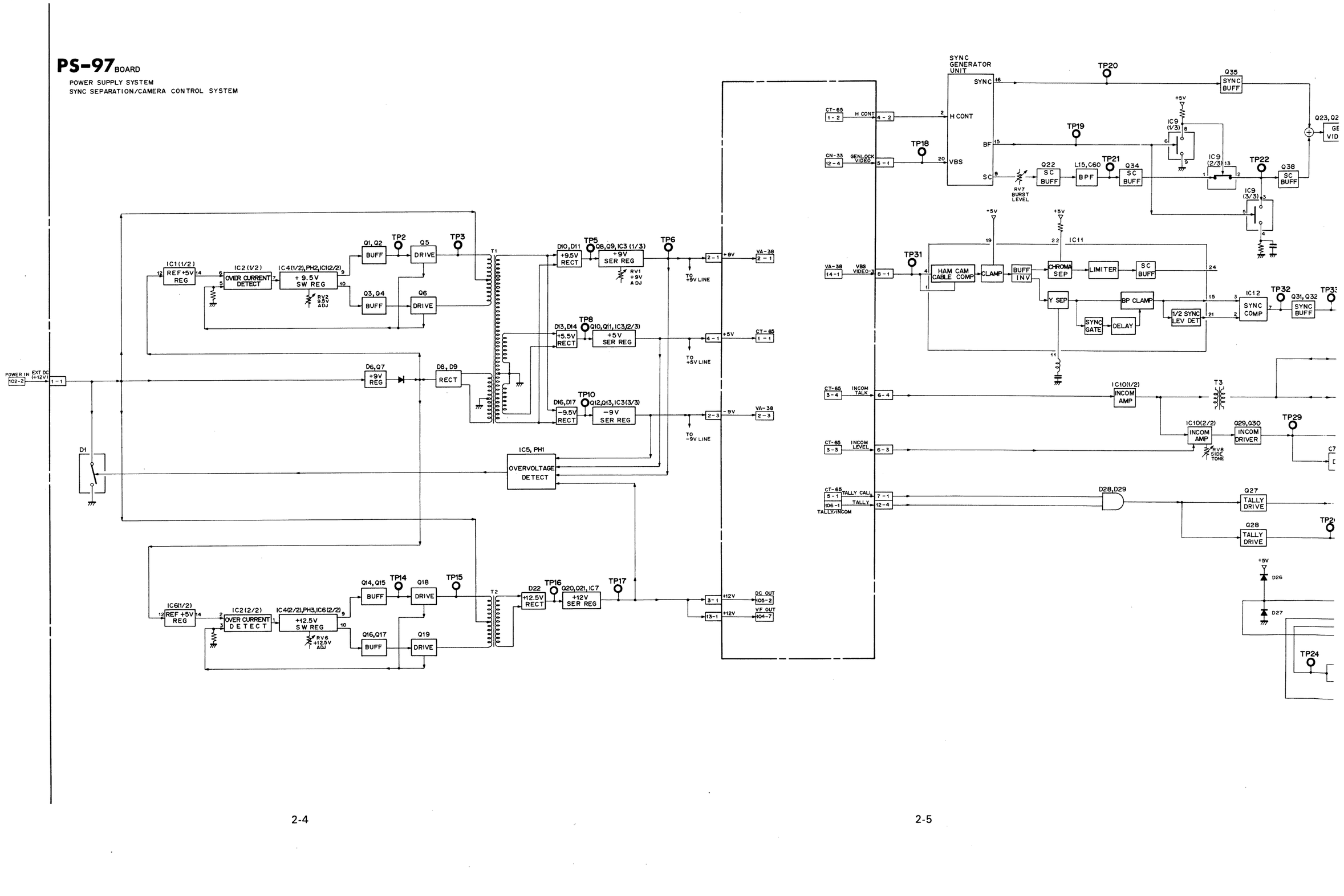


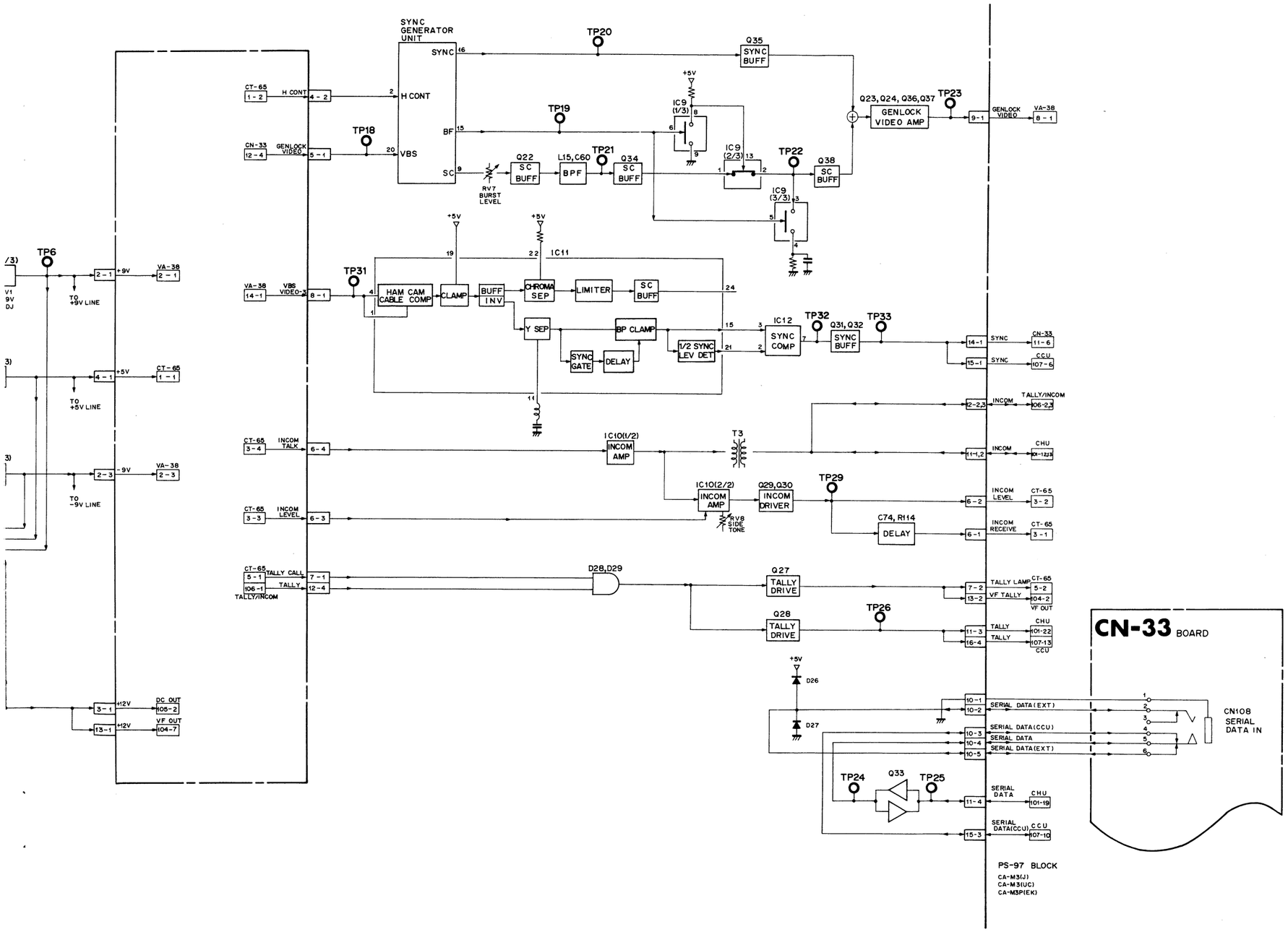
OVERALL BLOCK
CA-M3 (J)
CA-M3 (UC)
CA-M3P (EK)

PS-97 BOARD

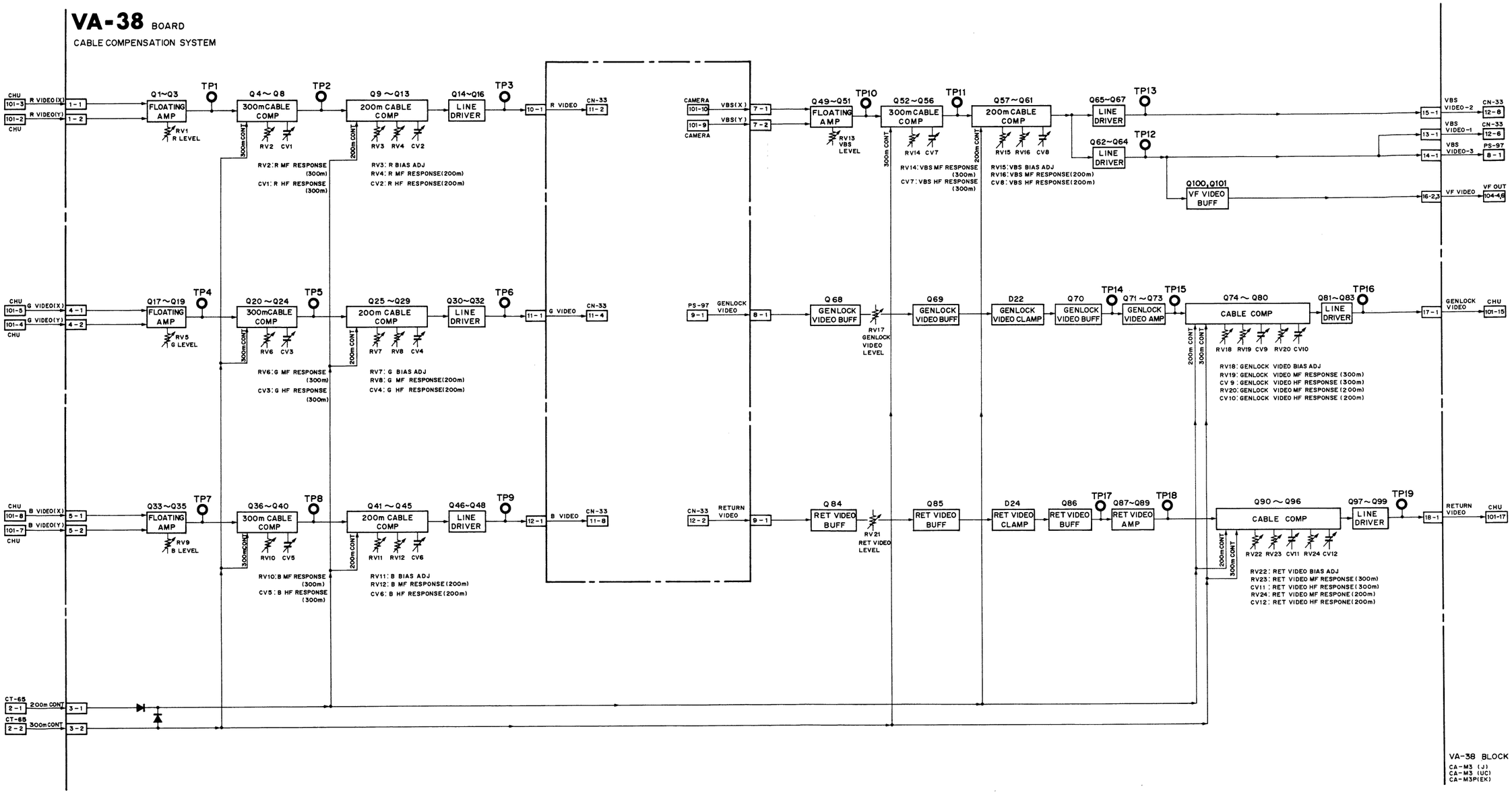
PS-97 BOARD

POWER SUPPLY SYSTEM
SYNC SEPARATION/CAMERA CONTROL SYSTEM

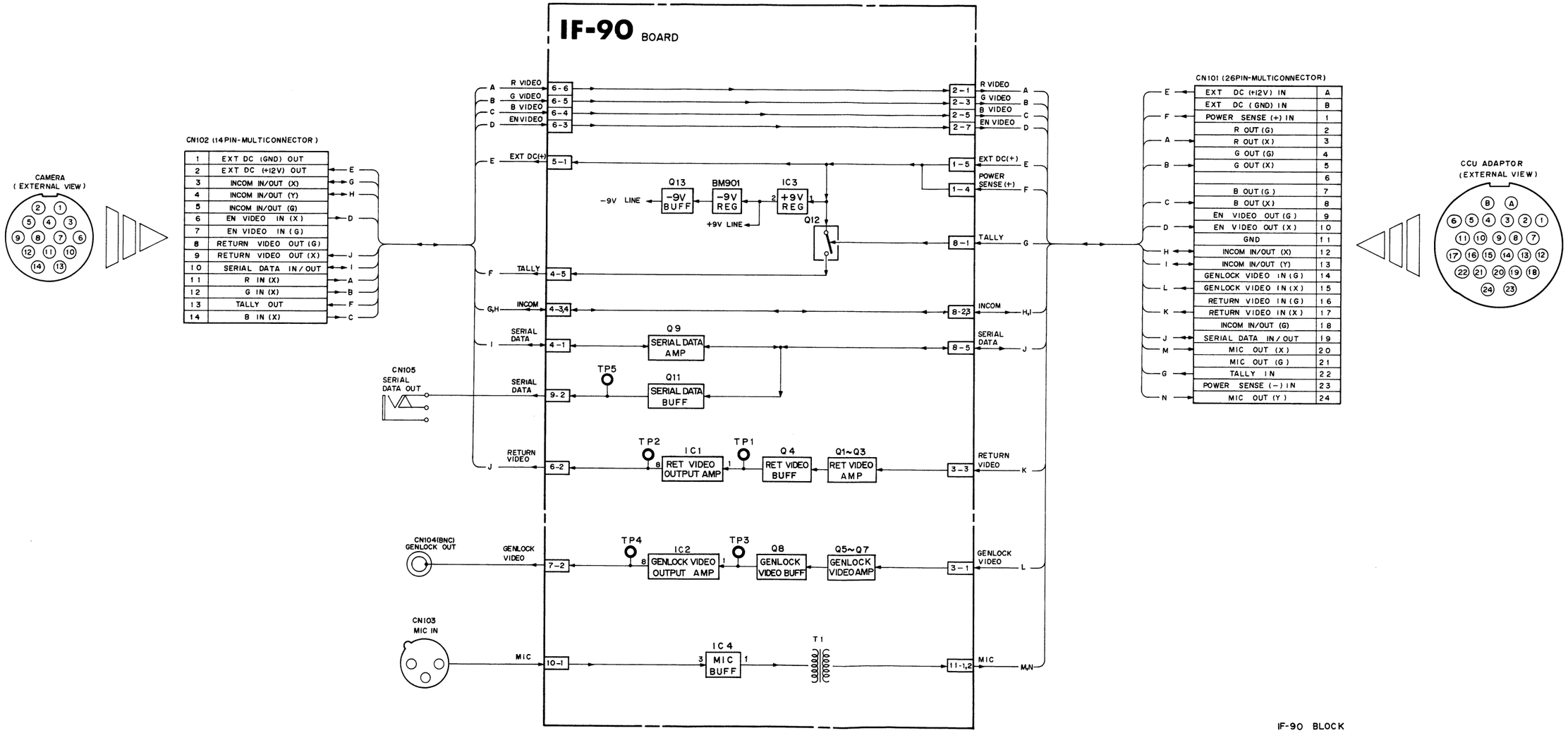



SYNC GENERATOR UNIT
SYNC
H CONT
BF
VBS
SC
TP18
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP26
TP29
TP31
TP32
TP33
Q35 SYNC BUFF
Q22 SC BUFF
L15,C60 BPF
Q34 SC BUFF
Q38 SC BUFF
RV7 BURST LEVEL
IC9 (1/3)
IC9 (2/3)
IC9 (3/3)
Q23,Q24,Q36,Q37 GENLOCK VIDEO AMP
GENLOCK VIDEO
IC11
HAM CAM CABLE COMP
CLAMP
BUFF INV
CHROMA SEP
LIMITER
SC BUFF
Y SEP
BP CLAMP
SYNC GATE
DELAY
1/2 SYNC LEV DET
IC12 SYNC COMP
Q31,Q32 SYNC BUFF
IC10(1/2) INCOM AMP
T3
IC10(2/2) INCOM AMP
Q29,Q30 INCOM DRIVER
RV8 SIDE TONE
C74, R114 DELAY
D28,D29
Q27 TALLY DRIVE
Q28 TALLY DRIVE
D26
D27
Q33
CT-65 1-2 H CONT
CN-33 12-4 GENLOCK VIDEO
VA-38 14-1 VBS VIDEO-3
CT-65 3-4 INCOM TALK
CT-65 3-3 INCOM LEVEL
CT-65 5-1 TALLY CALL
106-1 TALLY/INCOM
VA-38 2-1 +9V
CT-65 1-1 +5V
VA-38 2-3 -9V
VA-38 3-1 +12V DC OUT 105-2
VA-38 13-1 +12V VF OUT 104-7
TO +5V LINE
TO -9V LINE
GENLOCK VIDEO VA-38 8-1
14-1 SYNC CN-33 11-6
15-1 SYNC CCU 107-6
12-2,3 INCOM TALLY/INCOM 106-2,3
11-1,2 INCOM CHU 101-12,13
6-2 INCOM LEVEL CT-65 3-2
6-1 INCOM RECEIVE CT-65 3-1
7-2 TALLY LAMP CT-65 5-2
13-2 VF TALLY 104-2 VF OUT
11-3 TALLY CHU 101-22
16-4 TALLY 107-13 CCU
10-1 SERIAL DATA(EXT)
10-2
10-3 SERIAL DATA(CCU)
10-4 SERIAL DATA
10-5 SERIAL DATA(EXT)
11-4 SERIAL DATA CHU 101-19
15-3 SERIAL DATA(CCU) CCU 107-10
CN-33 BOARD
CN108 SERIAL DATA IN
PS-97 BLOCK
CA-M3(J)
CA-M3(UC)
CA-M3P(EK)

VA-38 BOARD


VA-38 BOARD
CABLE COMPENSATION SYSTEM
CHU
101-3 R VIDEO(X)
101-2 R VIDEO(Y)
CHU
1-1
1-2
Q1~Q3
FLOATING AMP
RV1 R LEVEL
TP1
Q4~Q8
300mCABLE COMP
300m CONT
RV2 CV1
RV2:R MF RESPONSE (300m)
CV1:R HF RESPONSE (300m)
TP2
Q9~Q13
200m CABLE COMP
200m CONT
RV3 RV4 CV2
RV3: R BIAS ADJ
RV4: R MF RESPONSE(200m)
CV2: R HF RESPONSE(200m)
Q14~Q16
LINE DRIVER
TP3
10-1
R VIDEO
CN-33
11-2
CHU
101-5 G VIDEO(X)
101-4 G VIDEO(Y)
CHU
4-1
4-2
Q17~Q19
FLOATING AMP
RV5 G LEVEL
TP4
Q20~Q24
300mCABLE COMP
300m CONT
RV6 CV3
RV6:G MF RESPONSE (300m)
CV3:G HF RESPONSE (300m)
TP5
Q25~Q29
200m CABLE COMP
200m CONT
RV7 RV8 CV4
RV7: G BIAS ADJ
RV8: G MF RESPONSE(200m)
CV4: G HF RESPONSE(200m)
Q30~Q32
LINE DRIVER
TP6
11-1
G VIDEO
CN-33
11-4
CHU
101-8 B VIDEO(X)
101-7 B VIDEO(Y)
CHU
5-1
5-2
Q33~Q35
FLOATING AMP
RV9 B LEVEL
TP7
Q36~Q40
300m CABLE COMP
300m CONT
RV10 CV5
RV10:B MF RESPONSE (300m)
CV5:B HF RESPONSE (300m)
TP8
Q41~Q45
200m CABLE COMP
200m CONT
RV11 RV12 CV6
RV11: B BIAS ADJ
RV12: B MF RESPONSE(200m)
CV6: B HF RESPONSE(200m)
Q46~Q48
LINE DRIVER
TP9
12-1
B VIDEO
CN-33
11-8
CT-65
2-1 200m CONT
CT-65
2-2 300m CONT
3-1
3-2
CAMERA
101-10 VBS(X)
101-9 VBS(Y)
CAMERA
7-1
7-2
Q49~Q51
FLOATING AMP
RV13 VBS LEVEL
TP10
Q52~Q56
300m CABLE COMP
300m CONT
RV14 CV7
RV14:VBS MF RESPONSE (300m)
CV7:VBS HF RESPONSE (300m)
TP11
Q57~Q61
200m CABLE COMP
200m CONT
RV15 RV16 CV8
RV15:VBS BIAS ADJ
RV16:VBS MF RESPONSE(200m)
CV8:VBS HF RESPONSE(200m)
Q65~Q67
LINE DRIVER
TP13
Q62~Q64
LINE DRIVER
TP12
Q100,Q101
VF VIDEO BUFF
15-1
VBS VIDEO-2
CN-33
12-8
13-1
VBS VIDEO-1
CN-33
12-6
14-1
VBS VIDEO-3
PS-97
8-1
16-2,3
VF VIDEO
VF OUT
104-4,6
PS-97
9-1
GENLOCK VIDEO
8-1
Q68
GENLOCK VIDEO BUFF
RV17 GENLOCK VIDEO LEVEL
Q69
GENLOCK VIDEO BUFF
D22
GENLOCK VIDEO CLAMP
Q70
GENLOCK VIDEO BUFF
TP14
Q71~Q73
GENLOCK VIDEO AMP
TP15
Q74~Q80
CABLE COMP
200m CONT
300m CONT
RV18 RV19 CV9 RV20 CV10
RV18: GENLOCK VIDEO BIAS ADJ
RV19: GENLOCK VIDEO MF RESPONSE (300m)
CV 9 : GENLOCK VIDEO HF RESPONSE (300m)
RV20: GENLOCK VIDEO MF RESPONSE (200m)
CV10: GENLOCK VIDEO HF RESPONSE (200m)
Q81~Q83
LINE DRIVER
TP16
17-1
GENLOCK VIDEO
CHU
101-15
CN-33
12-2
RETURN VIDEO
9-1
Q84
RET VIDEO BUFF
RV21 RET VIDEO LEVEL
Q85
RET VIDEO BUFF
D24
RET VIDEO CLAMP
Q86
RET VIDEO BUFF
TP17
Q87~Q89
RET VIDEO AMP
TP18
Q90~Q96
CABLE COMP
200m CONT
300m CONT
RV22 RV23 CV11 RV24 CV12
RV22: RET VIDEO BIAS ADJ
RV23: RET VIDEO MF RESPONSE (300m)
CV11 : RET VIDEO HF RESPONSE(300m)
RV24: RET VIDEO MF RESPONSE(200m)
CV12: RET VIDEO HF RESPONSE(200m)
Q97~Q99
LINE DRIVER
TP19
18-1
RETURN VIDEO
CHU
101-17
VA-38 BLOCK
CA-M3 (J)
CA-M3 (UC)
CA-M3P(EK)

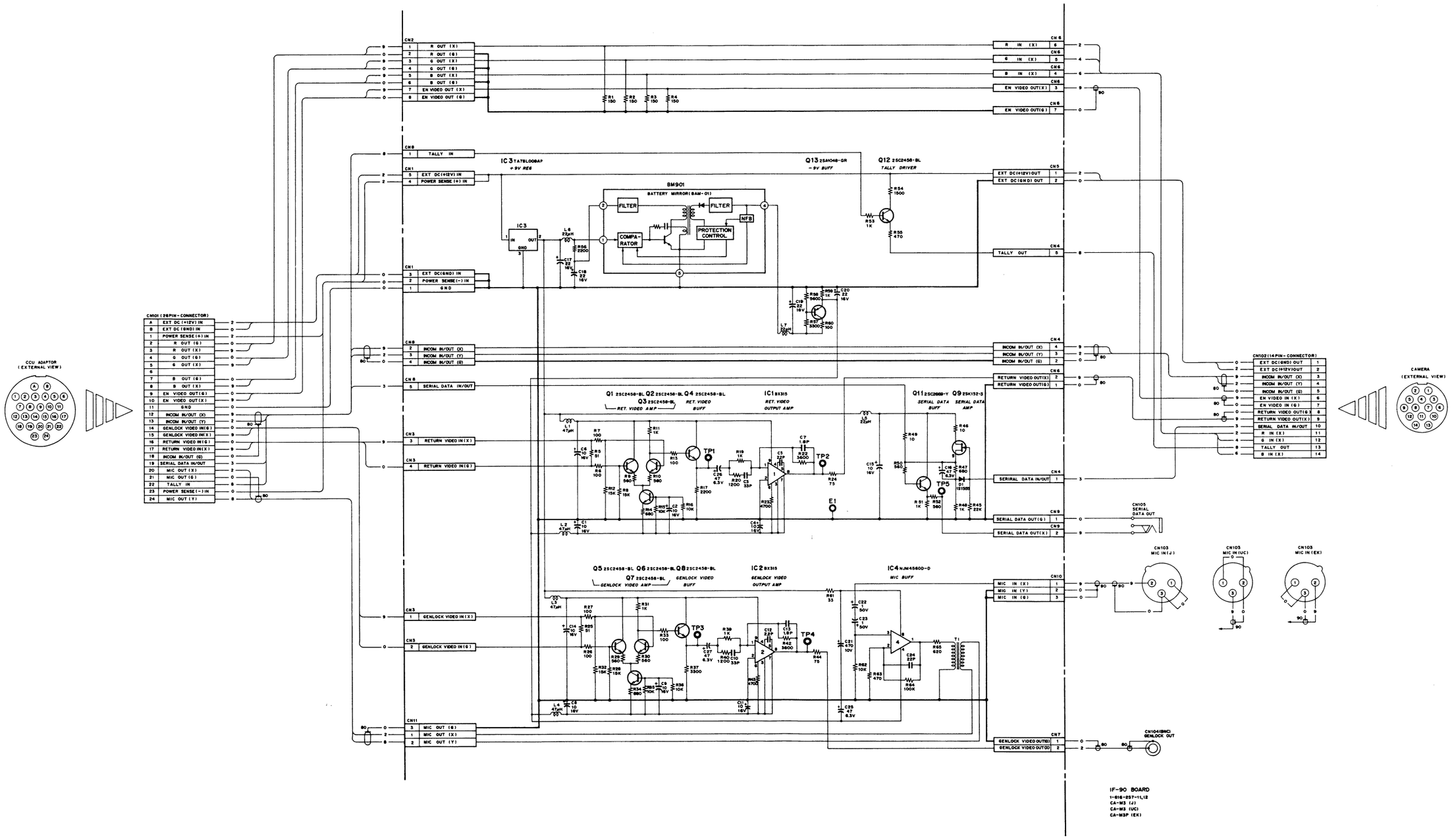
IF-90 BOARD



IF-90 BLOCK

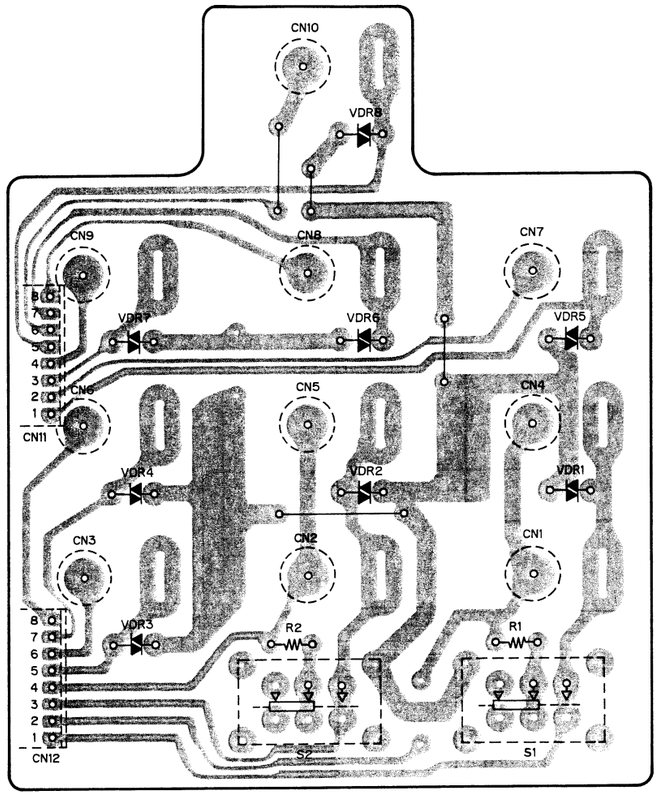
CA – M3 (J)
CA – M3 (UC)
CA – M3P (EK)

IF-90 BOARD

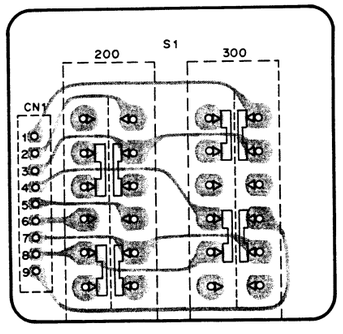

CCU ADAPTOR (EXTERNAL VIEW)
CM101 (26PIN-CONNECTOR)
A EXT DC (+12V) IN
B EXT DC (GND) IN
1 POWER SENSE (+) IN
2 R OUT (G)
3 R OUT (X)
4 G OUT (G)
5 G OUT (X)
7 B OUT (G)
8 B OUT (X)
9 EN VIDEO OUT (G)
10 EN VIDEO OUT (X)
11 GND
12 INCOM IN/OUT (X)
13 INCOM IN/OUT (Y)
14 GENLOCK VIDEO IN (G)
15 GENLOCK VIDEO IN (X)
16 RETURN VIDEO IN (G)
17 RETURN VIDEO IN (X)
18 INCOM IN/OUT (G)
19 SERIAL DATA IN/OUT
20 MIC OUT (X)
21 MIC OUT (G)
22 TALLY IN
23 POWER SENSE (-) IN
24 MIC OUT (Y)
CN2
1 R OUT (X)
2 R OUT (G)
3 G OUT (X)
4 G OUT (G)
5 B OUT (X)
6 B OUT (G)
7 EN VIDEO OUT (X)
8 EN VIDEO OUT (G)
CN8
1 TALLY IN
CN1
5 EXT DC (+12V) IN
4 POWER SENSE (+) IN
3 EXT DC (GND) IN
2 POWER SENSE (-) IN
1 GND
CN8
2 INCOM IN/OUT (X)
3 INCOM IN/OUT (Y)
4 INCOM IN/OUT (G)
CN8
5 SERIAL DATA IN/OUT
CN3
3 RETURN VIDEO IN (X)
CN3
4 RETURN VIDEO IN (G)
CN5
1 GENLOCK VIDEO IN (X)
CN3
2 GENLOCK VIDEO IN (G)
CN11
3 MIC OUT (G)
1 MIC OUT (X)
2 MIC OUT (Y)
IC3 TA78L009AP +9V REG
Q13 2SA1048-GR -9V SUFF
Q12 2SC2458-BL TALLY DRIVER
BM901 BATTERY MIRROR (BAM-01)
FILTER
FILTER
COMPA-RATOR
PROTECTION CONTROL
NFB
IC3
L6 27μH
R56 2200
C17 22 16V
C18 22 16V
R53 1K
R54 1500
R55 470
L7 22μH
C19 22 16V
R58 5600
R59 1K
C20 22 16V
R57 3300
R60 100
Q1 2SC2458-BL Q2 2SC2458-BL Q4 2SC2458-BL
Q3 2SC2458-BL
RET. VIDEO AMP
RET. VIDEO BUFF
IC1 BX315
RET. VIDEO OUTPUT AMP
Q11 2SC2688-Y Q9 2SK132-3
SERIAL DATA BUFF
SERIAL DATA AMP
L1 47μH
R7 100
R11 1K
R5 51
R6 100
R8 15K
R9 560
R10 560
R12 15K
R13 100
R17 2200
R18 1K
R19 1K
R20 1200
C3 22P
C5 33P
C7 1.8P
R22 3600
TP1
TP2
R24 75
R23 4700
C4 100 16V
L2 22μH
C15 10 16V
R49 10
R46 10
R50 560
R47 680
C16 4.7 6.3V
D1 1S1008
TP5
R51 1K
R52 560
R48 1K
R45 22K
E1
L5 47μH
C1 10 16V
C2 10 16V
R16 10K
Q5 2SC2458-BL Q6 2SC2458-BL Q8 2SC2458-BL
Q7 2SC2458-BL
GENLOCK VIDEO AMP
GENLOCK VIDEO BUFF
IC2 BX315
GENLOCK VIDEO OUTPUT AMP
IC4 NJM4560D-D
MIC BUFF
L3 47μH
R27 100
R31 1K
R25 51
R26 100
R32 15K
R28 15K
R33 100
R30 560
R34 560
R29 10K
C9 10 16V
R36 10K
TP3
TP4
R39 1K
R40 1200
C10 33P
C12 2.2P
C13 1.8P
R42 3600
R43 4700
R44 75
C27 4 6.3V
R37 3300
C11 10 16V
L4 47μH
C8 10 16V
R61 33
C22 1 50V
C23 1 50V
C21 4.7 10V
R62 10K
R63 470
C24 22P
R64 100K
R65 820
T1
C25 47 6.3V
CN4
INCOM IN/OUT (X) 4
INCOM IN/OUT (Y) 3
INCOM IN/OUT (G) 2
CN6
RETURN VIDEO OUT(X) 2
RETURN VIDEO OUT(G) 1
CN4
SERIAL DATA IN/OUT 1
CN9
SERIAL DATA OUT(G) 1
SERIAL DATA OUT(X) 2
CN10
MIC IN (X) 1
MIC IN (Y) 2
MIC IN (G) 3
CN7
GENLOCK VIDEO OUT(G) 1
GENLOCK VIDEO OUT(X) 2
CN6
R IN (X) 6
G IN (X) 5
B IN (X) 4
EN VIDEO OUT(X) 3
EN VIDEO OUT(G) 7
CN5
EXT DC(+12V) OUT 1
EXT DC(GND) OUT 2
CN4
TALLY OUT 5
CN102 (14PIN-CONNECTOR)
EXT DC(GND) OUT 1
EXT DC(+12V) OUT 2
INCOM IN/OUT (X) 3
INCOM IN/OUT (Y) 4
INCOM IN/OUT (G) 5
EN VIDEO IN (X) 6
EN VIDEO IN (G) 7
RETURN VIDEO OUT(G) 8
RETURN VIDEO OUT(X) 9
SERIAL DATA IN/OUT 10
R IN (X) 11
G IN (X) 12
TALLY OUT 13
B IN (X) 14
CAMERA (EXTERNAL VIEW)
CN105 SERIAL DATA OUT
CN103 MIC IN (J)
CN103 MIC IN (UC)
CN103 MIC IN (EK)
CN104(BNC) GENLOCK OUT
IF-90 BOARD
1-616-257-11,12
CA-M3 (J)
CA-M3 (UC)
CA-M3P (EK)

FRAME, CN-33, CT-65, SW-32

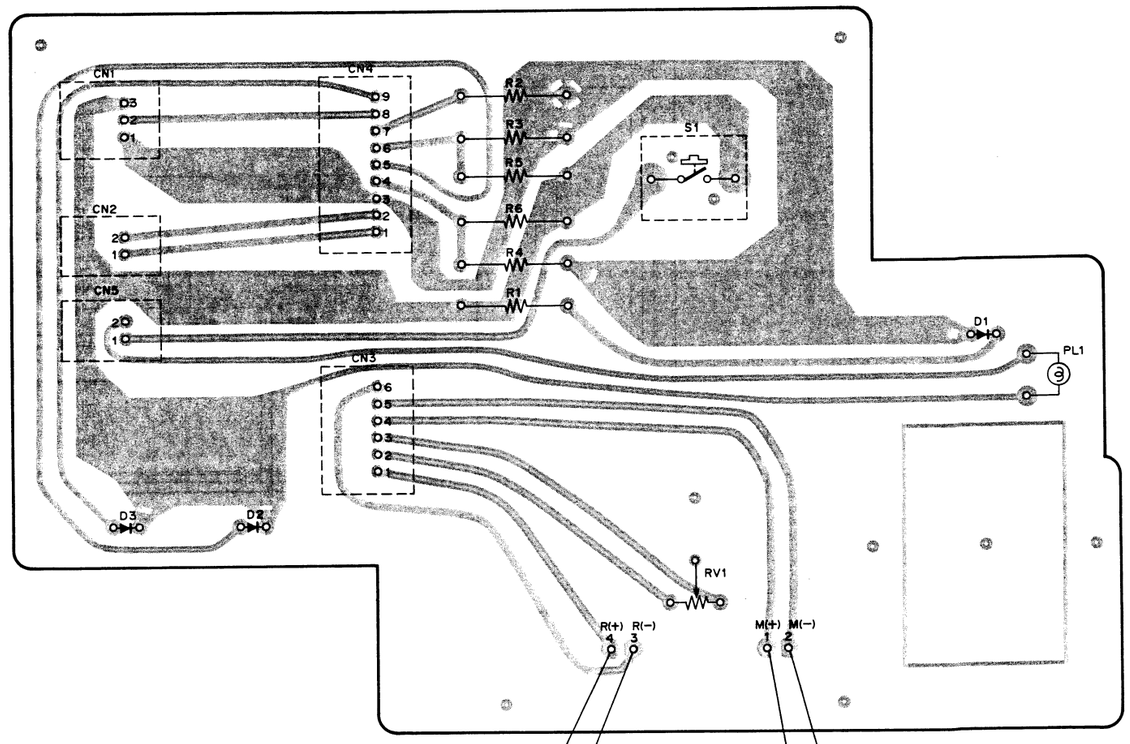
FRAME
CN-33 BOARD
CT-65 BOARD
SW-32 BOARD



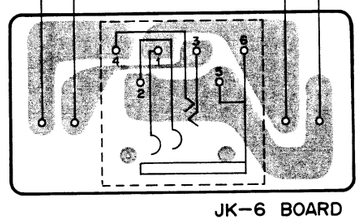
-SOLDERING SIDE-
CN-33 BOARD
1-616-258-11
CA-M3 (UC,J)
CA-M3P (EK)



-SOLDERING SIDE-
SW-32 BOARD
1-616-260-11
CA-M3 (UC,J)
CA-M3P (EK)

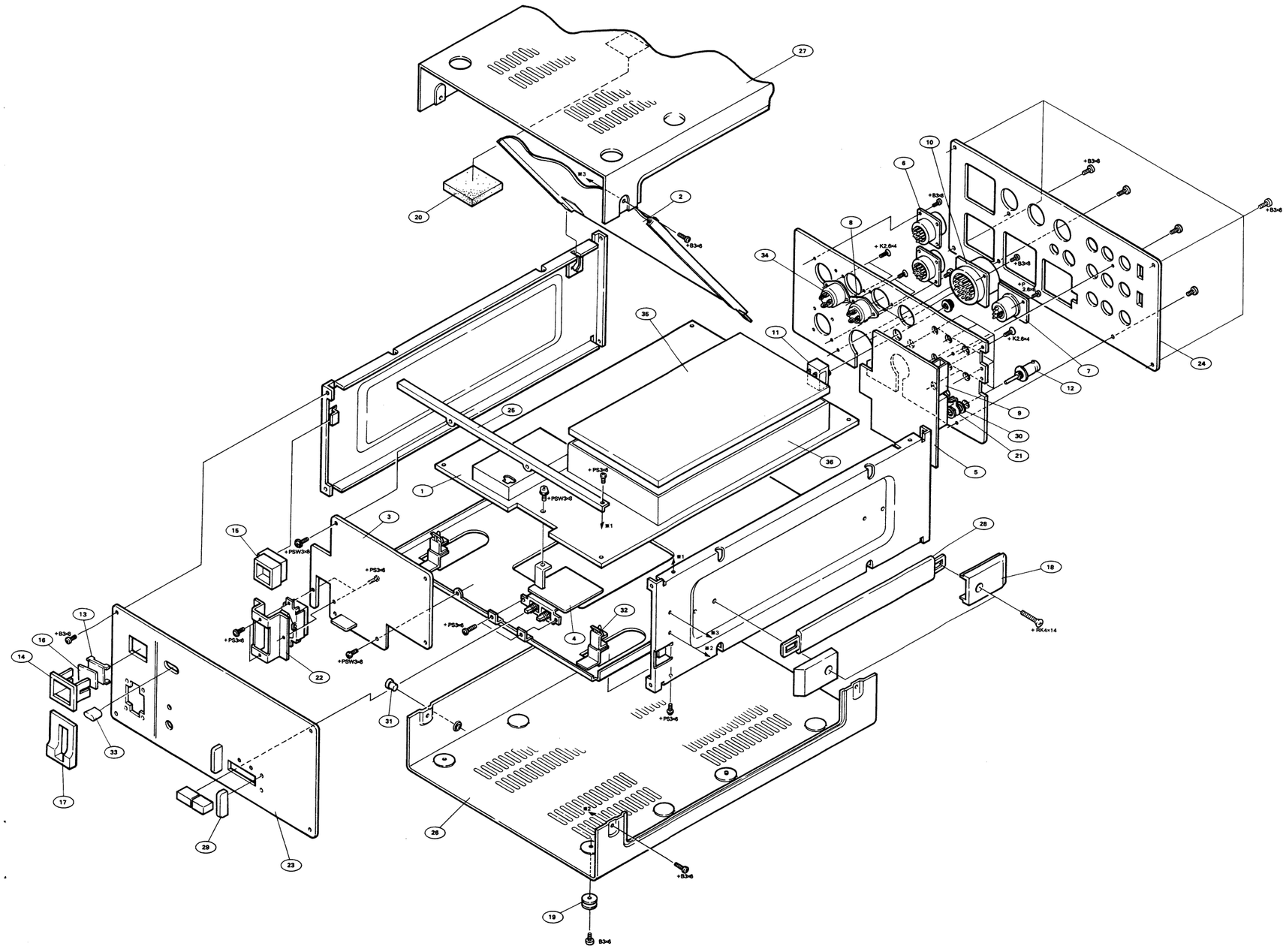


-SOLDERING SIDE-
CT-65 BOARD
1-616-259-11
CA-M3 (UC,J)
CA-M3P (EK)



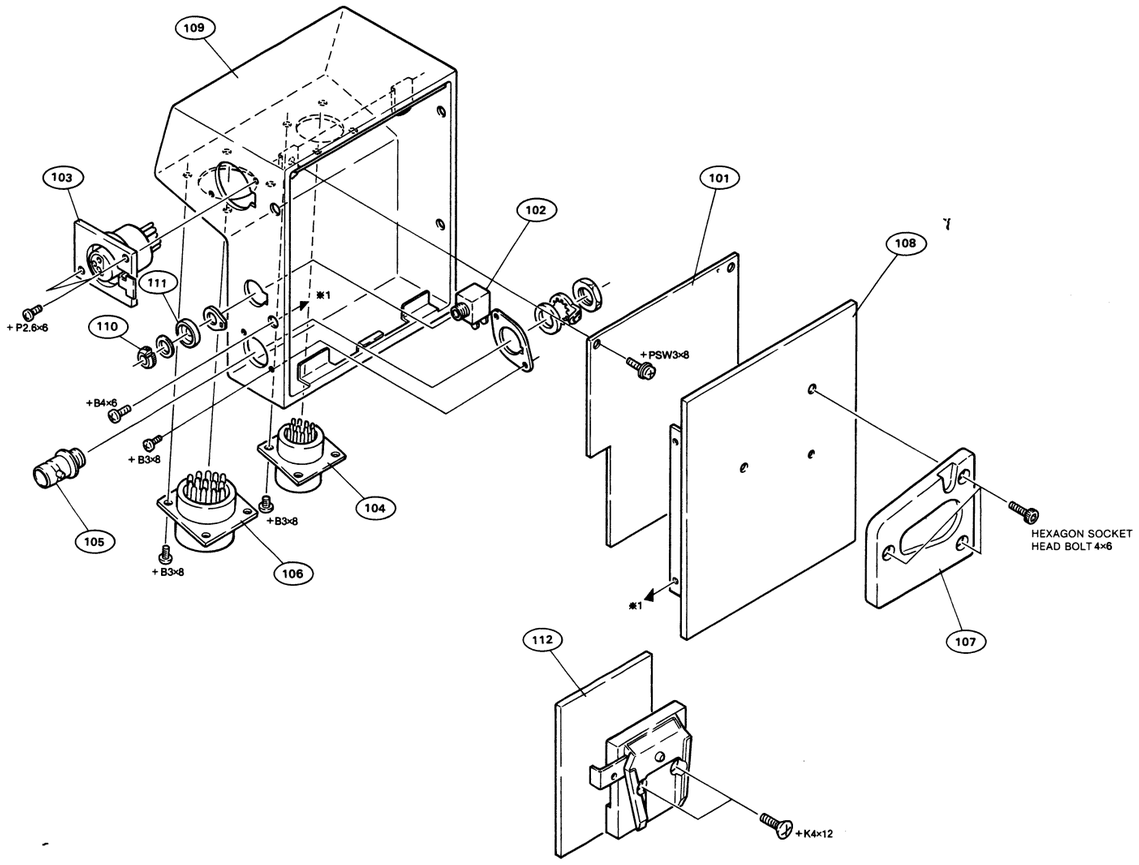
JK-6 BOARD

3-2. EXPLODED VIEW CHASSIS ASSY



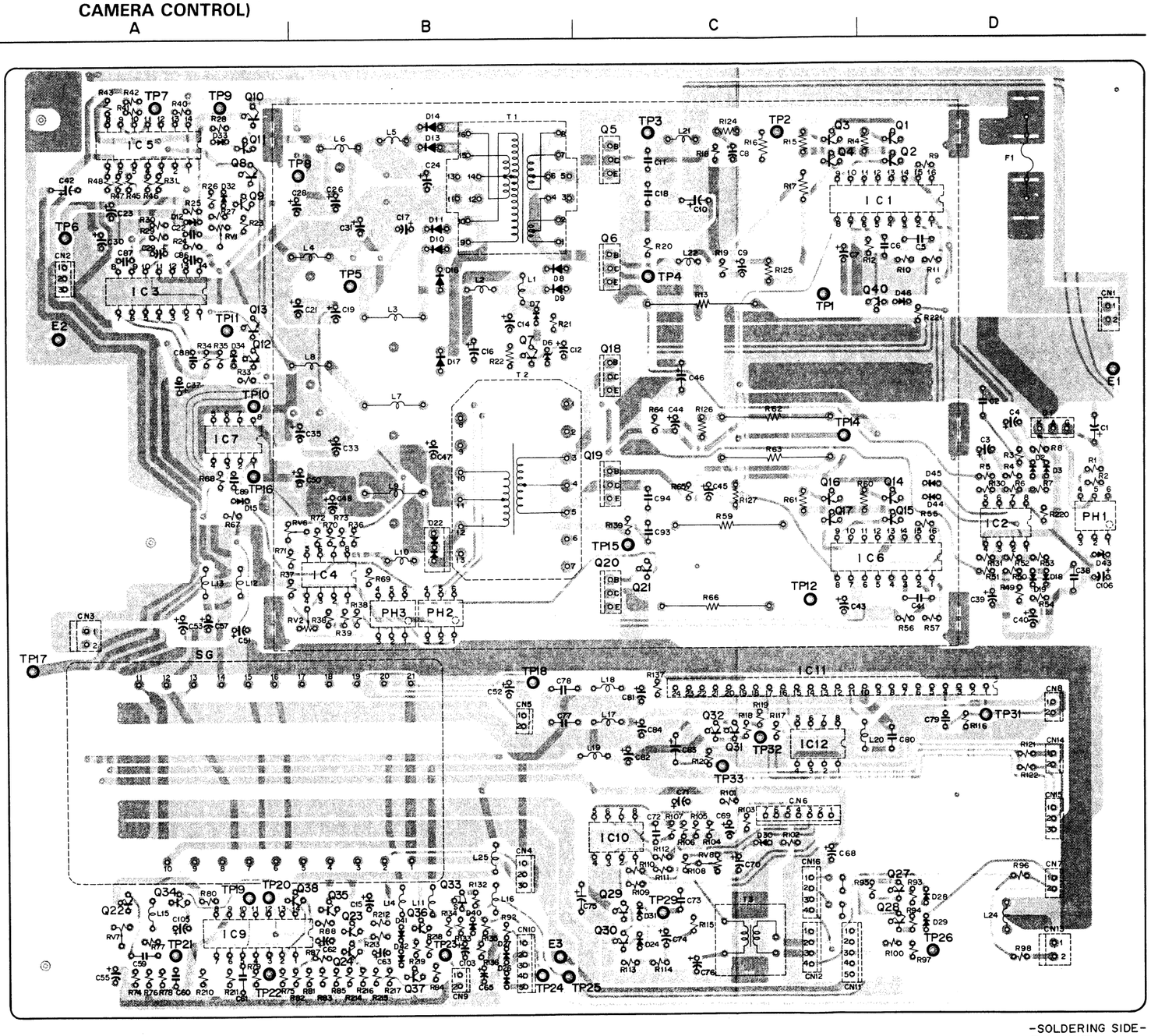
No.	Parts No.	SP	Description
1	A-7513-273-A	o	MOUNTED CIRCUIT BOARD "PS-97" (FOR UC, J)
	A-7513-274-A	o	MOUNTED CIRCUIT BOARD "PS-97" (FOR EK)
2	A-7513-275-A	o	MOUNTED CIRCUIT BOARD "VA-38"
3	1-616-259-12	o	PRINTED CIRCUIT BOARD "CT-65"
4	1-616-260-11	o	PRINTED CIRCUIT BOARD "SW-32"
5	1-616-258-11	o	PRINTED CIRCUIT BOARD "CN-33"
6	1-508-942-00	s	RECEPTACLE, 14P "POWER IN" (CN102)
7	1-509-176-51	o	RECEPTACLE, 3P "MIC IN" "TALLY/INTERCOM" (CN105, CN106)
8	1-526-531-00	s	RECEPTACLE, 4P "DC OUT"
9	1-552-679-00	s	SWITCH,
10	1-562-245-00	s	RECEPTACLE, 26P "CHU ADAPTOR" (CN101)
11	1-562-900-11	s	JACK "SERIAL DATA IN"
12	1-561-336-00	s	CONNECTOR
13	2-249-303-00	o	WINDOW (2), REMOTE CONTROL
14	2-249-304-02	o	FRAME (2), WINDOW, REMOTE CONTROL
15	2-249-306-00	o	HOLDER, LAMP
16	2-249-307-00	s	INDICATOR, REMOTE
17	2-251-642-00	o	GUARD, POWER SWITCH
18	2-253-306-00	o	TABLE, HANDLE
19	2-279-001-00	o	FOOT
20	2-279-520-00	o	CUSHION
21	2-286-707-00	o	LUG, BNC
22	2-380-774-01	o	BRACKET, AC SWITCH
23	2-380-775-01	o	PANEL, FRONT
24	2-380-776-01	o	PANEL, REAR
25	2-380-778-01	o	BRACKET, CT
26	2-381-914-01	o	COVER (LOWER)
27	2-381-914-11	o	COVER (UPPER)
28	3-419-372-21	s	HANDLE
29	3-539-823-00	o	KNOB
30	3-654-545-00	s	SPACER, BNC
31	3-701-195-02	s	FOOT, RUBBER
32	3-703-072-00	o	HOLDER, PCB
33	4-335-304-00	s	BUTTON, TUNING
34	1-561-320-00	s	RECEPTACLE, 3P "VF"
35	2-380-788-01	o	CASE, SHIELD, PS
36	2-380-787-01	o	CASE (LID), SHIELD, PS

ADAPTOR BLOCK



No.	Parts No.	SP	Description
101	A-7513-276-A	o	COMPLETE PCB, IF-90
102	1-507-251-xx	s	JACK "SERIAL DATA OUT" (CN05)
103	1-509-176-51	o	RECEPTACLE, 3P "MIC IN"
104	1-561-040-00	s	RECEPTACLE, 14P "CAMERA"
105	1-561-781-41	s	RECEPTACLE, BNC "GENLOCK OUT"
106	1-562-244-00	s	RECEPTACLE, 26P "CCU ADAPTOR"
107	2-380-784-01	o	SPACER, SHOE
108	2-380-786-01	o	LID, CASE
109	2-380-789-01	o	CASE
110	3-437-228-00	s	INSULATOR, JACK
111	3-437-229-01	s	INSULATOR (B), JACK
112	3-680-682-02	o	SHOE, BATTERY

2-2. SCHEMATIC AND MOUNTING DIAGRAM
PS-97 BOARD (POWER SUPPLY, SYNC SEPARATION, CAMERA CONTROL)



-SOLDERING SIDE-

PS-97 BOARD

1-616-255-12
CA-M3 (UC,J)
CA-M3P (EK)

CN1	D-2	Q1	D-1	TP1	C-1
CN2	A-1	Q2	D-1	TP2	C-1
CN3	A-3	Q3	C-1	TP3	C-1
CN4	B-4	Q4	C-1	TP4	C-1
CN5	B-3	Q5	C-1	TP5	B-1
CN6	C-4	Q6	C-1	TP6	A-1
CN7	D-4	Q7	B-2	TP7	A-1
CN8	D-3	Q8	A-1	TP8	B-1
CN9	B-4	Q9	A-1	TP9	A-1
CN10	B-4	Q10	A-1	TP10	A-2
CN11	C-4	Q11	A-1	TP11	A-2
CN12	C-4	Q12	A-2	TP12	C-3
CN13	D-4	Q13	A-2	TP14	C-2
CN14	D-3	Q14	D-2	TP15	C-3
CN15	D-4	Q15	D-2	TP16	A-2
CN16	C-4	Q16	C-2	TP17	A-3
		Q17	C-2	TP18	B-3
D1	D-2	Q18	C-2	TP19	A-4
D2	D-2	Q19	C-2	TP20	A-4
D3	D-2	Q20	C-3	TP21	A-4
D6	B-2	Q21	C-3	TP22	A-4
D7	B-2	Q22	A-4	TP23	B-4
D8	B-1	Q23	B-4	TP24	B-4
D9	B-1	Q24	B-4	TP25	B-4
D10	B-1	Q27	D-4	TP26	D-4
D11	B-1	Q28	D-4	TP29	C-4
D12	A-1	Q29	C-4	TP31	D-3
D13	B-1	Q30	C-4	TP32	C-3
D14	B-1	Q31	C-3	TP33	C-3
D15	A-2	Q32	C-3		
D16	B-1	Q33	B-4		
D17	B-2	Q34	A-4		
D18	D-3	Q35	B-4		
D19	D-3	Q36	B-4		
D22	B-3	Q37	B-4		
D24	C-4	Q38	B-4		
D26	B-4	Q40	D-1		
D27	B-4				
D28	D-4	RV1	A-1		
D29	D-4	RV2	B-3		
D30	C-4	RV6	B-2		
D31	C-4	RV7	A-4		
D32	A-1	RV8	C-4		
D33	A-1				
D34	A-2	SG1	A-3		
D40	B-4				
D41	B-4	T1	B-1		
D42	B-4	T2	B-2		
D43	D-3	T3	C-4		
D44	D-2				
D45	D-2				
E1	D-2				
E2	A-2				
E3	B-4				
IC1	D-1				
IC2	D-2				
IC3	A-1				
IC4	B-3				
IC5	A-1				
IC6	D-3				
IC7	A-2				
IC9	A-4				
IC10	C-4				
IC11	C-3				
IC12	C-3				
PH1	D-2				
PH2	B-3				
PH3	B-3				

C-1
C-1
C-1
C-1
B-1
A-1
A-1
B-1
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A-2
C-3
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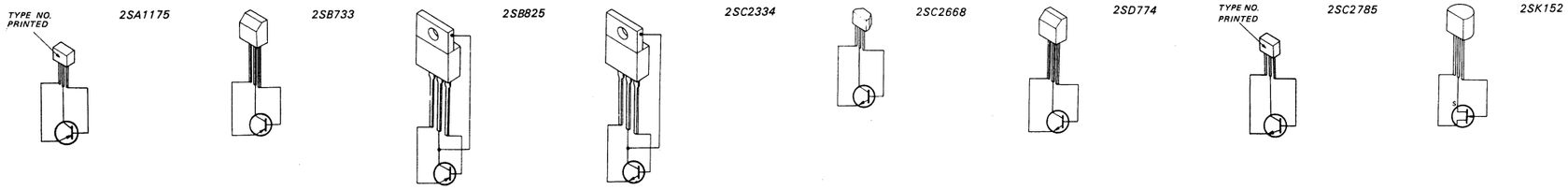
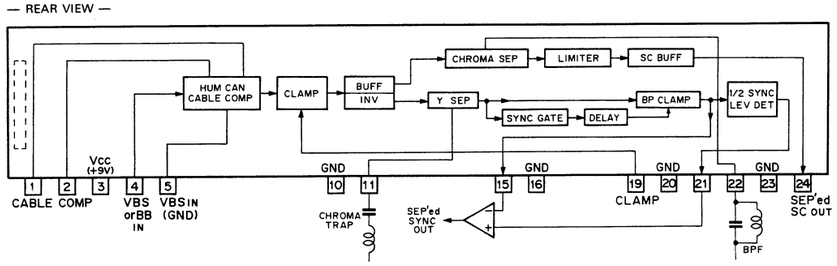
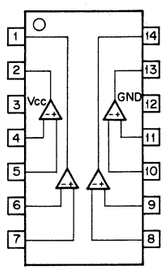
C-3



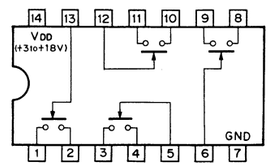
BX1040 (SONY)
SYNC SEPARATOR
— REAR VIEW —



NJM2901N (JRC)
SINGLE SUPPLY COMPARATOR
— TOP VIEW —



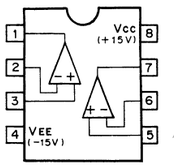
TC4066BP (TOSHIBA)
C-MOS BILATERAL SWITCH
— TOP VIEW —



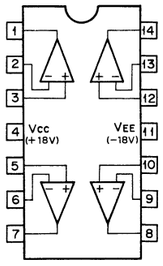
CONT IN	SW
0	OFF
1	ON

0 ; LOW LEVEL
1 ; HIGH LEVEL

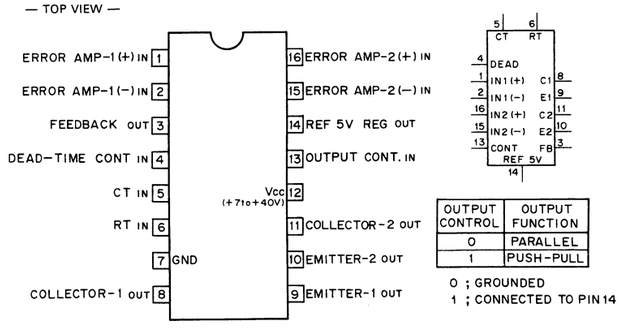
TL082CP (TI)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW — TL08



TL084CN (TI)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —

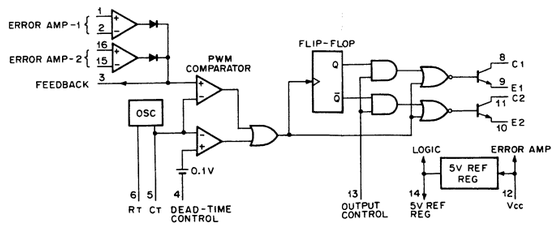


TL494CN (TI)
PWM POWER CONTROL
— TOP VIEW —

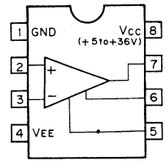


OUTPUT CONTROL	OUTPUT FUNCTION
0	PARALLEL
1	PUSH-PULL

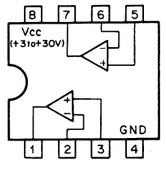
0 ; GROUNDED
1 ; CONNECTED TO PIN 14



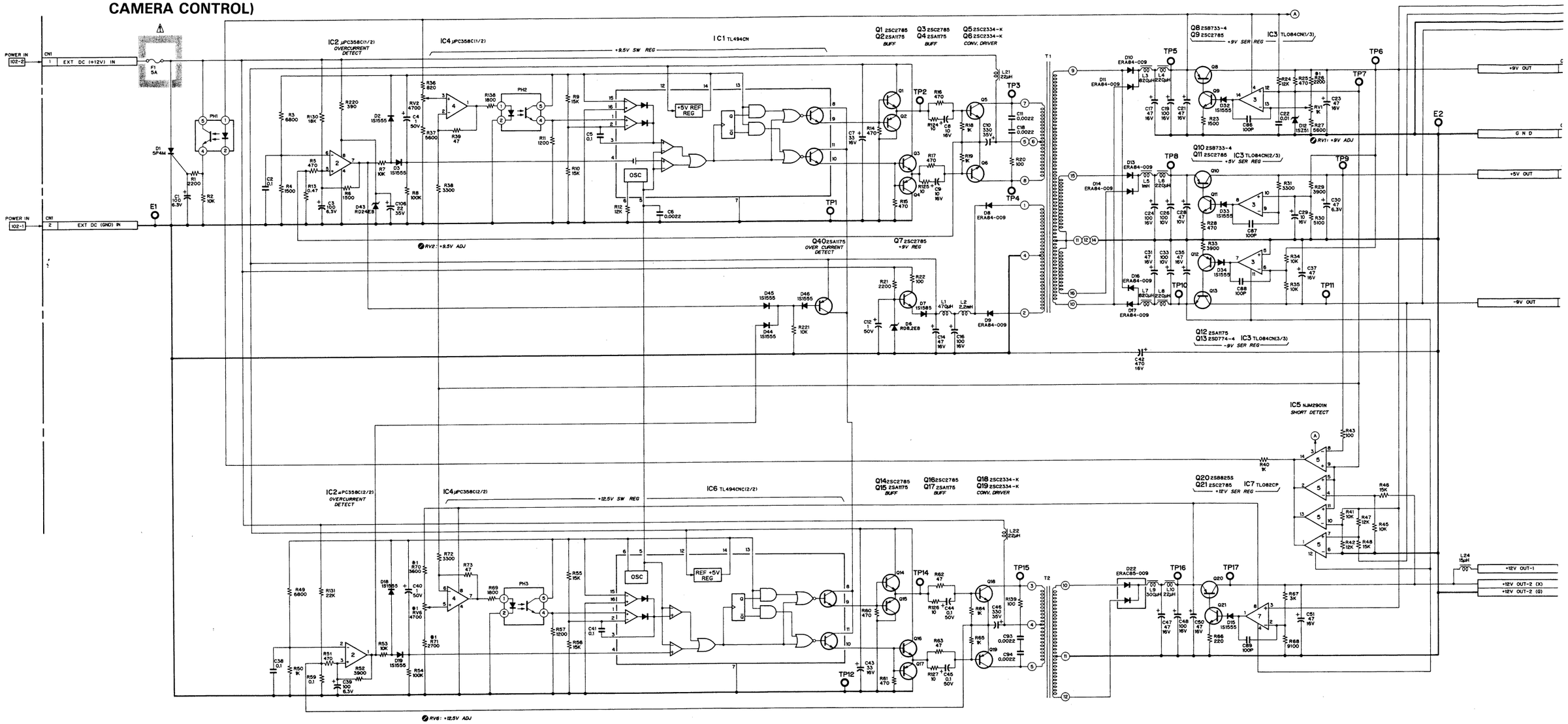
uPC311C (NEC)
VOLTAGE COMPARATOR
— TOP VIEW —

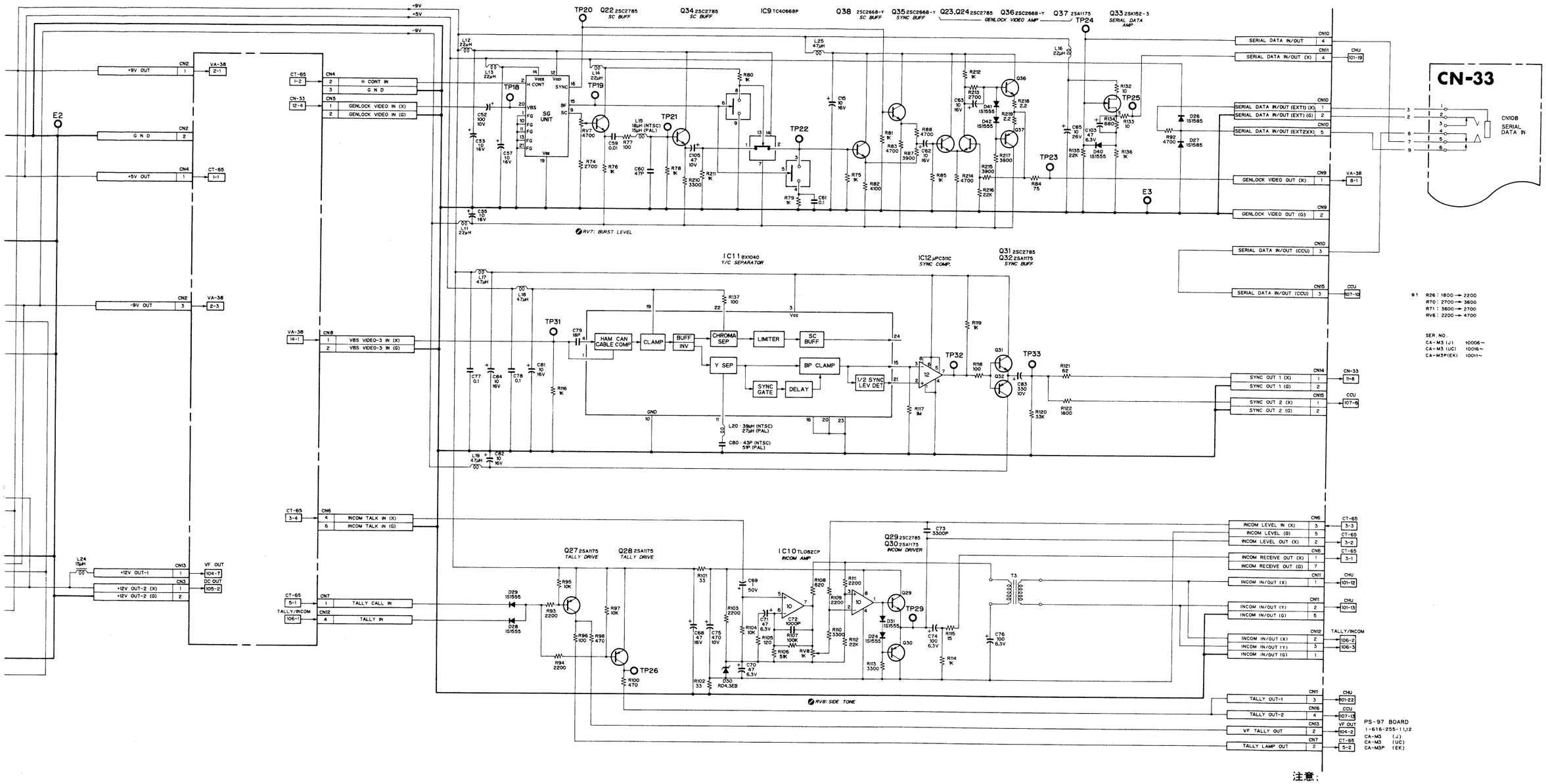


uPC358C (NEC)
DUAL OPERATIONAL AMPLIFIERS
— TOP VIEW —



PS-97 BOARD (POWER SUPPLY, SYNC SEPARATION, CAMERA CONTROL)





※1 R26 : 1800 → 2200
R70 : 2700 → 3600
R71 : 3600 → 2700
RV6 : 2200 → 4700

SER. NO.
CA-M3 (J) 10006~
CA-M3 (UC) 10016~
CA-M3P(EK) 10011~

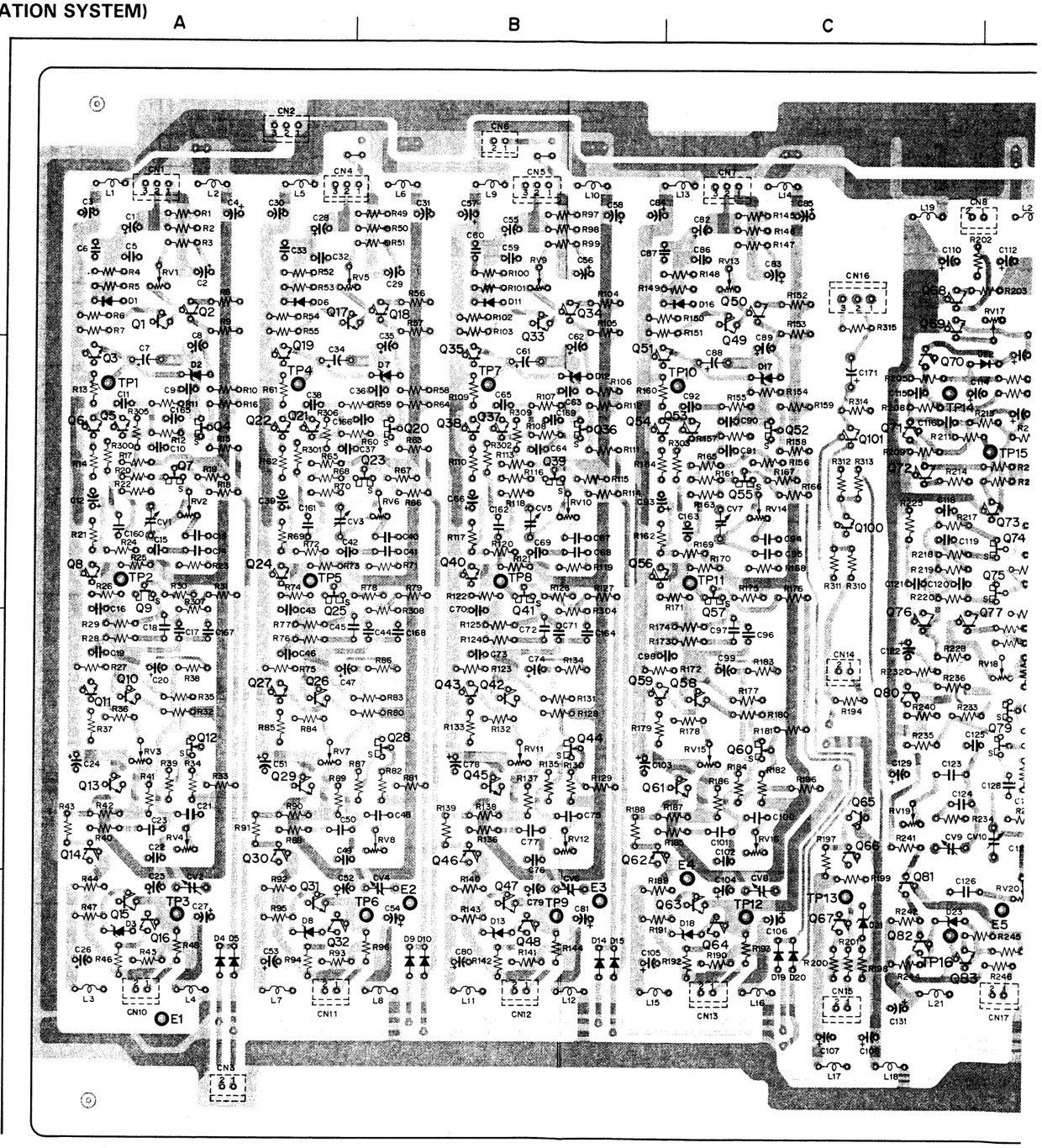
注意;

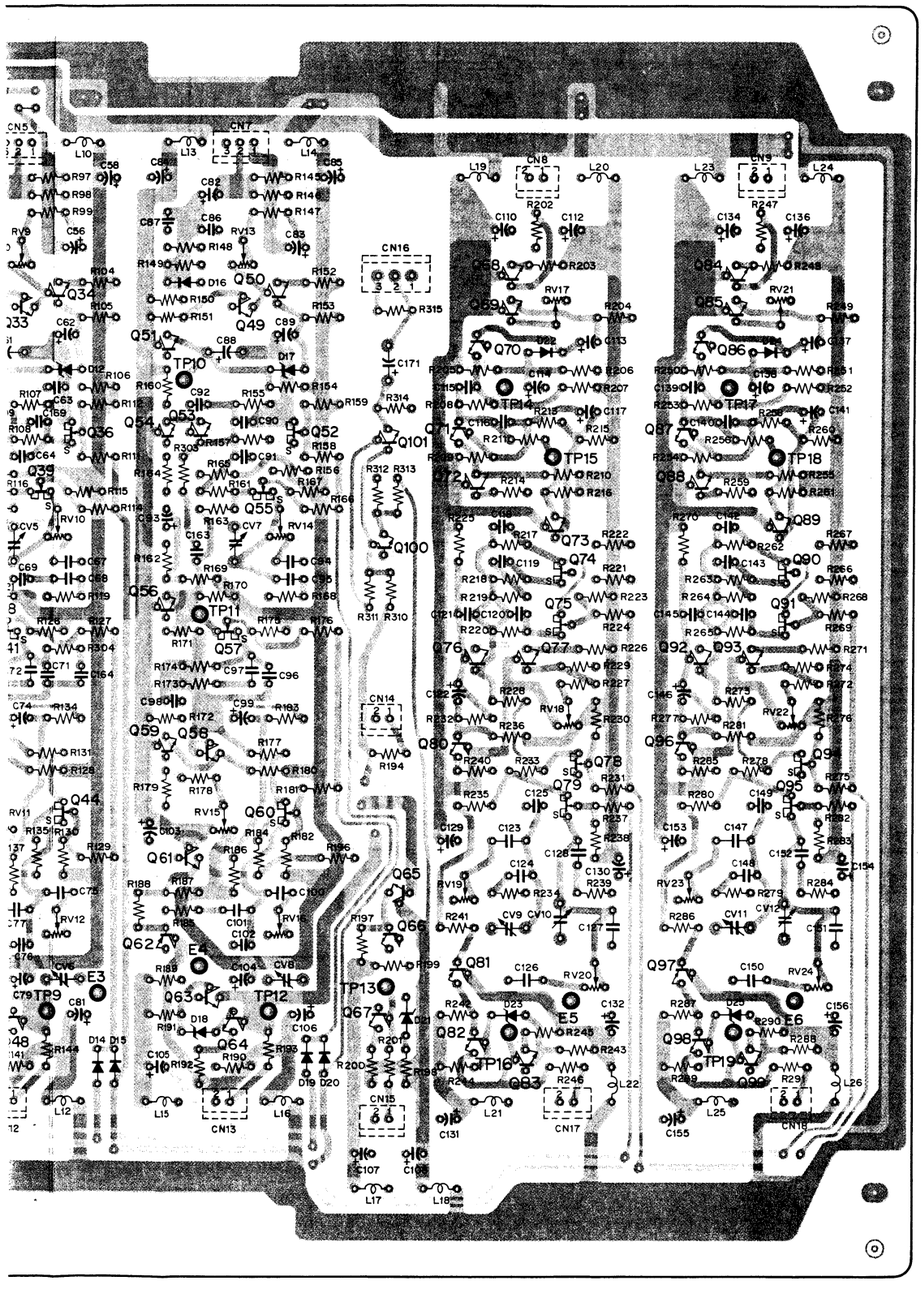
⚠ 印及び ▨ で囲まれた部品は安全性を維持するために重要な部品です。 従って交換する時は必ず指定の部品を使って下さい。

NOTE:

The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

VA-38 BOARD (CAMERA COMPENSATION SYSTEM)





-SOLDERING SIDE-

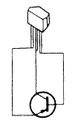
VA-38 BOARD

1-616-256-12

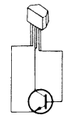
CA-M3 (UC,J)

CA-M3P (EK)

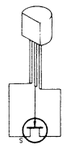
CN1	A-1	Q10	A-3	Q80	C-3
CN2	A-1	Q11	A-3	Q81	C-4
CN3	A-4	Q12	A-3	Q82	C-4
CN4	A-1	Q13	A-3	Q83	C-4
CN5	B-1	Q14	A-3	Q84	D-1
CN6	B-1	Q15	A-4	Q85	D-1
CN7	C-1	Q16	A-4	Q86	D-2
CN8	C-1	Q17	A-1	Q87	D-2
CN9	D-1	Q18	B-1	Q88	D-2
CN10	A-4	Q19	A-2	Q89	D-2
CN11	A-4	Q20	B-2	Q90	D-2
CN12	B-4	Q21	A-2	Q91	D-2
CN13	C-4	Q22	A-2	Q92	D-3
CN14	C-3	Q23	B-2	Q93	D-3
CN15	C-4	Q24	A-2	Q94	D-3
CN16	C-1	Q25	A-2	Q95	D-3
CN17	D-4	Q26	A-3	Q96	D-3
CN18	D-4	Q27	A-3	Q97	D-4
		Q28	B-3	Q98	D-4
CV1	A-2	Q29	A-3	Q99	D-4
CV2	A-4	Q30	A-3	Q100	C-2
CV3	A-2	Q31	A-4	Q101	C-2
CV4	A-4	Q32	A-4		
CV5	B-2	Q33	B-1	RV1	A-1
CV6	B-4	Q34	B-1	RV2	A-2
CV7	C-2	Q35	B-2	RV3	A-3
CV8	C-4	Q36	B-2	RV4	A-3
CV9	C-3	Q37	B-2	RV5	A-1
CV10	D-3	Q38	B-2	RV6	B-2
CV11	D-3	Q39	B-2	RV7	A-3
CV12	D-3	Q40	B-2	RV8	B-3
		Q41	B-2	RV9	B-1
D1	A-1	Q42	B-3	RV10	B-2
D2	A-2	Q43	B-3	RV11	B-3
D3	A-4	Q44	B-3	RV12	B-3
D4	A-4	Q45	B-3	RV13	C-1
D5	A-4	Q46	B-3	RV14	C-2
D6	A-1	Q47	B-4	RV15	C-3
D7	B-2	Q48	B-4	RV16	C-3
D8	A-4	Q49	C-1	RV17	D-1
D9	B-4	Q50	C-1	RV18	D-3
D10	B-4	Q51	C-2	RV19	C-3
D11	B-1	Q52	C-2	RV20	D-4
D12	B-2	Q53	C-2	RV21	D-1
D13	B-4	Q54	C-2	RV22	D-3
D14	B-4	Q55	C-2	RV23	D-3
D15	B-4	Q56	C-2	RV24	D-4
D16	C-1	Q57	C-2		
D17	C-2	Q58	C-3	TP1	A-2
D18	C-4	Q59	C-3	TP2	A-2
D19	C-4	Q60	C-3	TP3	A-4
D20	C-4	Q61	C-3	TP4	A-2
D21	C-4	Q62	C-3	TP5	A-2
D22	C-2	Q63	C-4	TP6	B-4
D23	C-4	Q64	C-4	TP7	B-2
D24	D-2	Q65	C-3	TP8	B-2
D25	D-4	Q66	C-3	TP9	B-4
		Q67	C-4	TP10	C-2
E1	A-4	Q68	C-1	TP11	C-2
E2	B-4	Q69	C-1	TP12	C-4
E3	B-4	Q70	C-2	TP13	C-4
E4	C-4	Q71	C-2	TP14	C-2
E5	D-4	Q72	C-2	TP15	D-2
E6	D-4	Q73	D-2	TP16	C-4
		Q74	D-2	TP17	D-2
Q1	A-1	Q75	D-2	TP18	D-2
Q2	A-1	Q76	C-3	TP19	D-4
Q3	A-2	Q77	C-3		
Q4	A-2	Q78	D-3		
Q5	A-2	Q79	D-3		
Q6	A-2				
Q7	A-2				
Q8	A-2				
Q9	A-2				



2SA1048

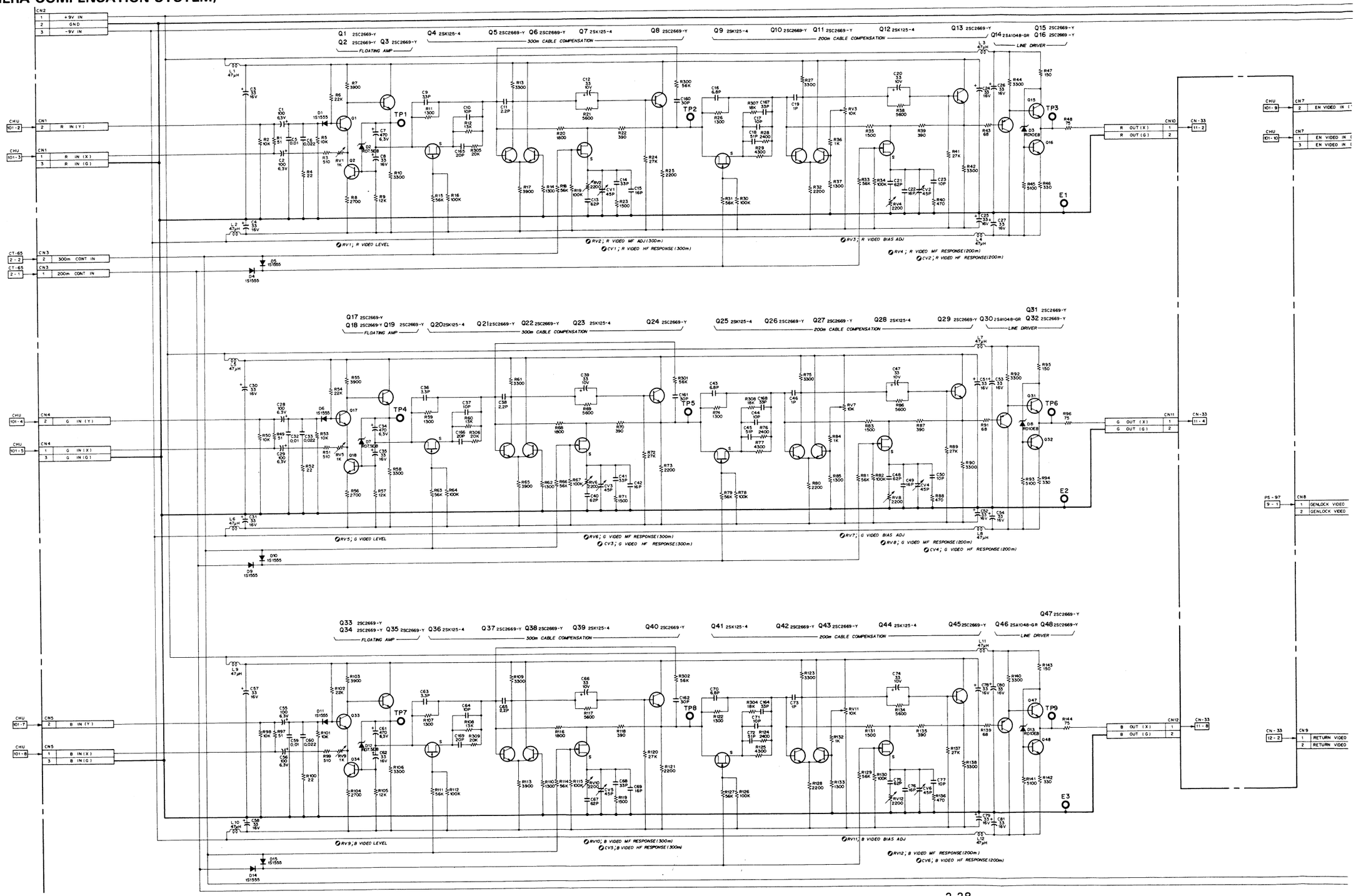


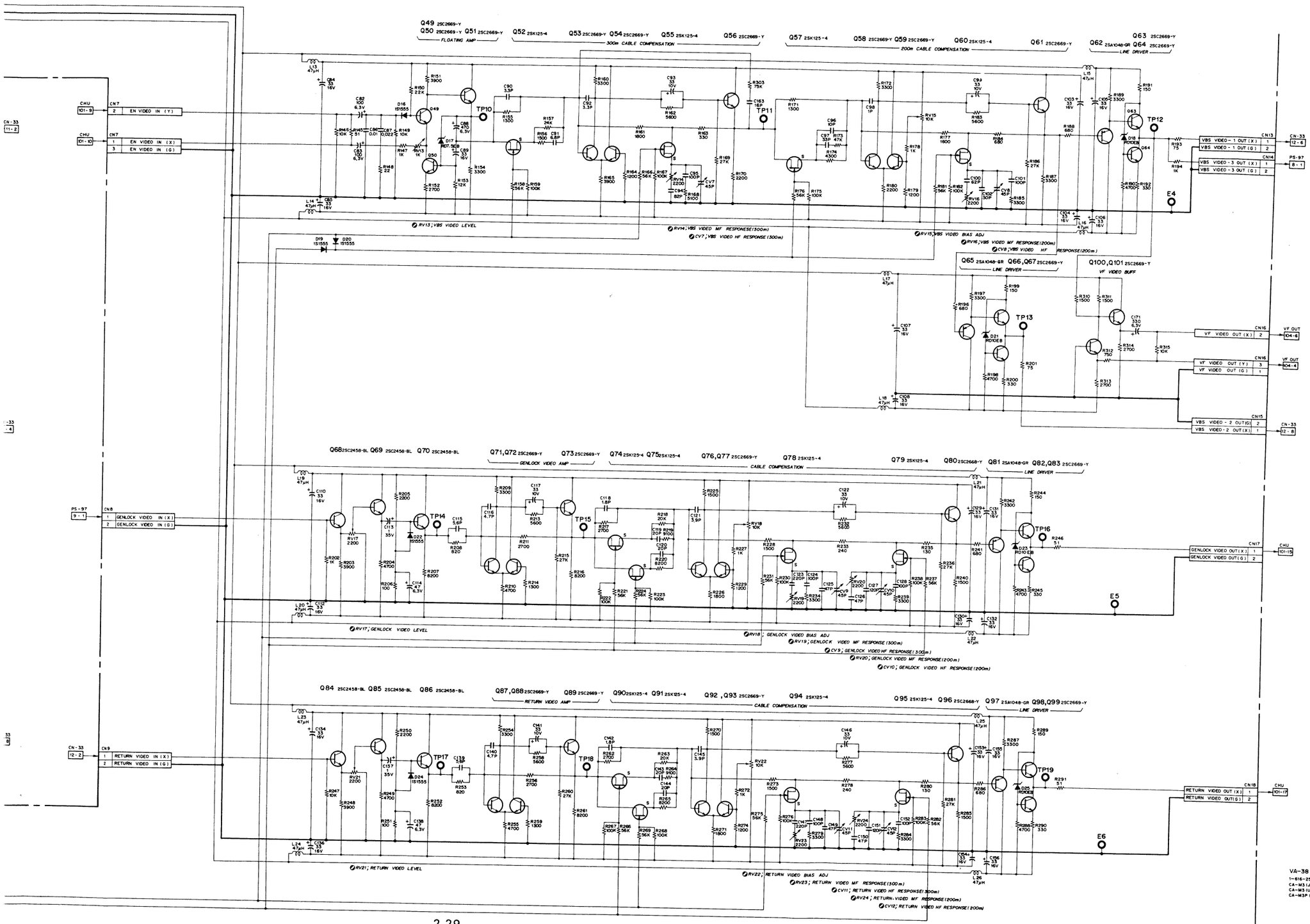
2SC2458
2SC2668
2SC2669



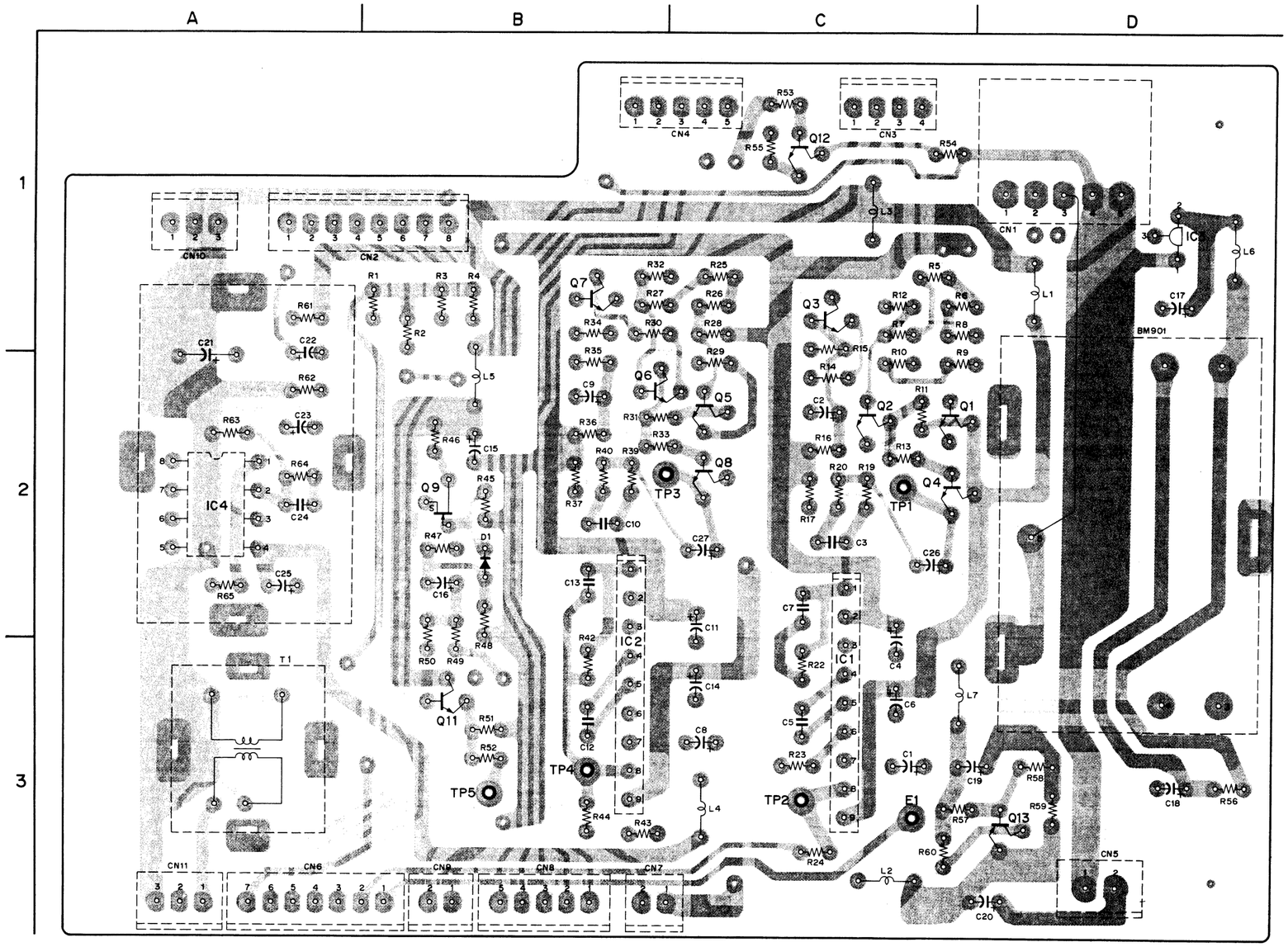
2SK125

VA-38 BOARD (CAMERA COMPENSATION SYSTEM)




Q49 2SC2669-Y
Q50 2SC2669-Y Q51 2SC2669-Y
FLOATING AMP
Q52 2SK125-4
Q53 2SC2669-Y Q54 2SC2669-Y
300m CABLE COMPENSATION
Q55 2SK125-4
Q56 2SC2669-Y
Q57 2SK125-4
Q58 2SC2669-Y Q59 2SC2669-Y
200m CABLE COMPENSATION
Q60 2SK125-4
Q61 2SC2669-Y
Q62 2SA1048-GR Q64 2SC2669-Y
LINE DRIVER
Q63 2SC2669-Y
CHU 101-9
CHU 101-10
CN7
2 EN VIDEO IN (Y)
1 EN VIDEO IN (X)
3 EN VIDEO IN (G)
TP10
TP11
TP12
RV13;VBS VIDEO LEVEL
RV14;VBS VIDEO MF RESPONSE(300m)
CV7;VBS VIDEO HF RESPONSE(300m)
RV15;VBS VIDEO BIAS ADJ
RV16;VBS VIDEO MF RESPONSE(200m)
CV8;VBS VIDEO HF RESPONSE(200m)
CN13
VBS VIDEO - 1 OUT (X) 1
VBS VIDEO - 1 OUT (G) 2
CN14
VBS VIDEO - 3 OUT (X) 1
VBS VIDEO - 3 OUT (G) 2
CN-33 12-6
PS-97 8-1
E4
Q65 2SA1048-GR Q66,Q67 2SC2669-Y
LINE DRIVER
Q100,Q101 2SC2669-Y
VF VIDEO BUFF
TP13
CN16
VF VIDEO OUT (X) 2
VF VIDEO OUT (Y) 3
VF VIDEO OUT (G) 1
VF OUT 104-6
VF OUT 104-4
CN15
VBS VIDEO - 2 OUT(G) 2
VBS VIDEO - 2 OUT(X) 1
CN-33 12-8
Q68 2SC2458-BL Q69 2SC2458-BL Q70 2SC2458-BL
Q71,Q72 2SC2669-Y
GENLOCK VIDEO AMP
Q73 2SC2669-Y
Q74 2SK125-4 Q75 2SK125-4
Q76,Q77 2SC2669-Y
Q78 2SK125-4
CABLE COMPENSATION
Q79 2SK125-4
Q80 2SC2668-Y Q81 2SA1048-GR Q82,Q83 2SC2669-Y
LINE DRIVER
PS-97 9-1
CN8
1 GENLOCK VIDEO IN (X)
2 GENLOCK VIDEO IN (G)
TP14
TP15
TP16
RV17;GENLOCK VIDEO LEVEL
RV18;GENLOCK VIDEO BIAS ADJ
RV19;GENLOCK VIDEO MF RESPONSE(300m)
CV9;GENLOCK VIDEO HF RESPONSE(300m)
RV20;GENLOCK VIDEO MF RESPONSE(200m)
CV10;GENLOCK VIDEO HF RESPONSE(200m)
CN17
GENLOCK VIDEO OUT(X) 1
GENLOCK VIDEO OUT(G) 2
CHU 101-15
E5
Q84 2SC2458-BL Q85 2SC2458-BL Q86 2SC2458-BL
Q87,Q88 2SC2669-Y
RETURN VIDEO AMP
Q89 2SC2669-Y
Q90 2SK125-4 Q91 2SK125-4
Q92 ,Q93 2SC2669-Y
CABLE COMPENSATION
Q94 2SK125-4
Q95 2SK125-4 Q96 2SC2668-Y Q97 2SA1048-GR Q98,Q99 2SC2669-Y
LINE DRIVER
CN-33 12-2
CN9
1 RETURN VIDEO IN (X)
2 RETURN VIDEO IN (G)
TP17
TP18
TP19
RV21;RETURN VIDEO LEVEL
RV22;RETURN VIDEO BIAS ADJ
RV23;RETURN VIDEO MF RESPONSE(300m)
CV11;RETURN VIDEO HF RESPONSE(300m)
RV24;RETURN VIDEO MF RESPONSE(200m)
CV12;RETURN VIDEO HF RESPONSE(200m)
CN18
RETURN VIDEO OUT (X) 1
RETURN VIDEO OUT(G) 2
CHU 101-17
E6
VA-38 BOARD
1-616-256-11,12
CA-M3 (J)
CA-M3 (UC)
CA-M3P (EK)

IF-90 BOARD



-SOLDERING SIDE-

IF-90 BOARD

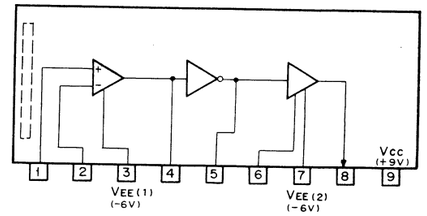
1-616-257-12

CA-M3 (UC,J)

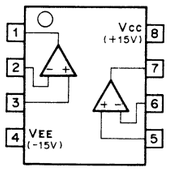
CA-M3P (EK)

CN1	D - 1
CN2	B - 1
CN3	C - 1
CN4	C - 1
CN5	D - 3
CN6	A - 3
CN7	B - 3
CN8	B - 3
CN9	B - 3
CN10	A - 1
CN11	A - 3
D1	B - 2
E1	C - 3
IC1	C - 3
IC2	B - 3
IC3	D - 1
IC4	A - 2
Q1	C - 2
Q2	C - 2
Q3	C - 1
Q4	C - 2
Q5	C - 2
Q6	B - 2
Q7	B - 1
Q8	C - 2
Q9	B - 2
Q11	B - 3
Q12	C - 1
Q13	D - 3
T1	A - 3
TP1	C - 2
TP2	C - 3
TP3	B - 2
TP4	B - 3
TP5	B - 3

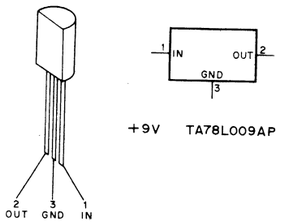
BX315 (SONY)
VIDEO OUTPUT AMPLIFIER (PHASE INVERTED)
— REAR VIEW —



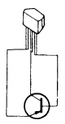
NJM4560DD (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



TA78L ? ? ?AP (TOSHIBA)
VOLTAGE REGULATOR



+9V TA78L009AP



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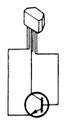

2SC2458
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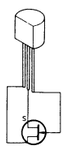
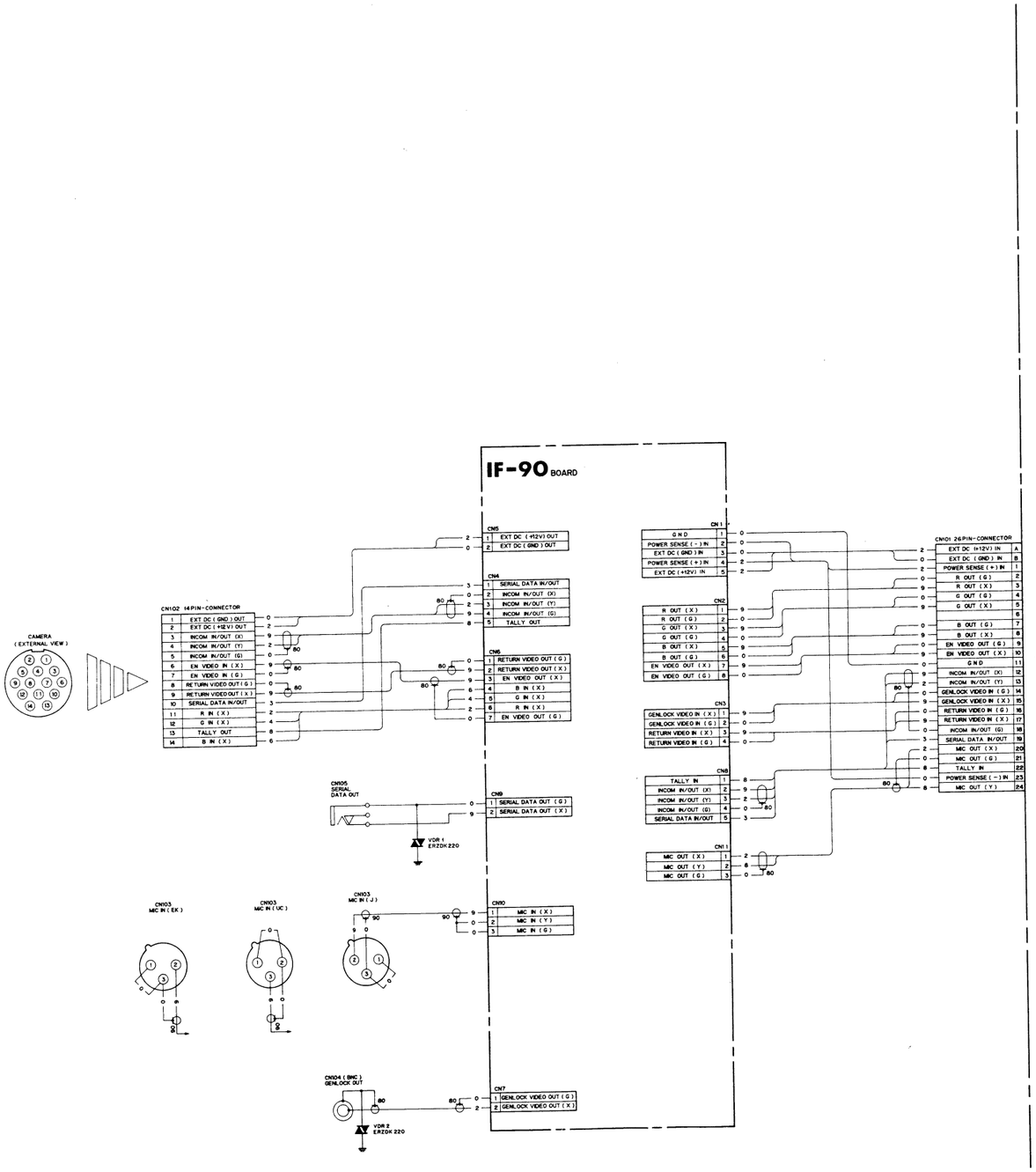


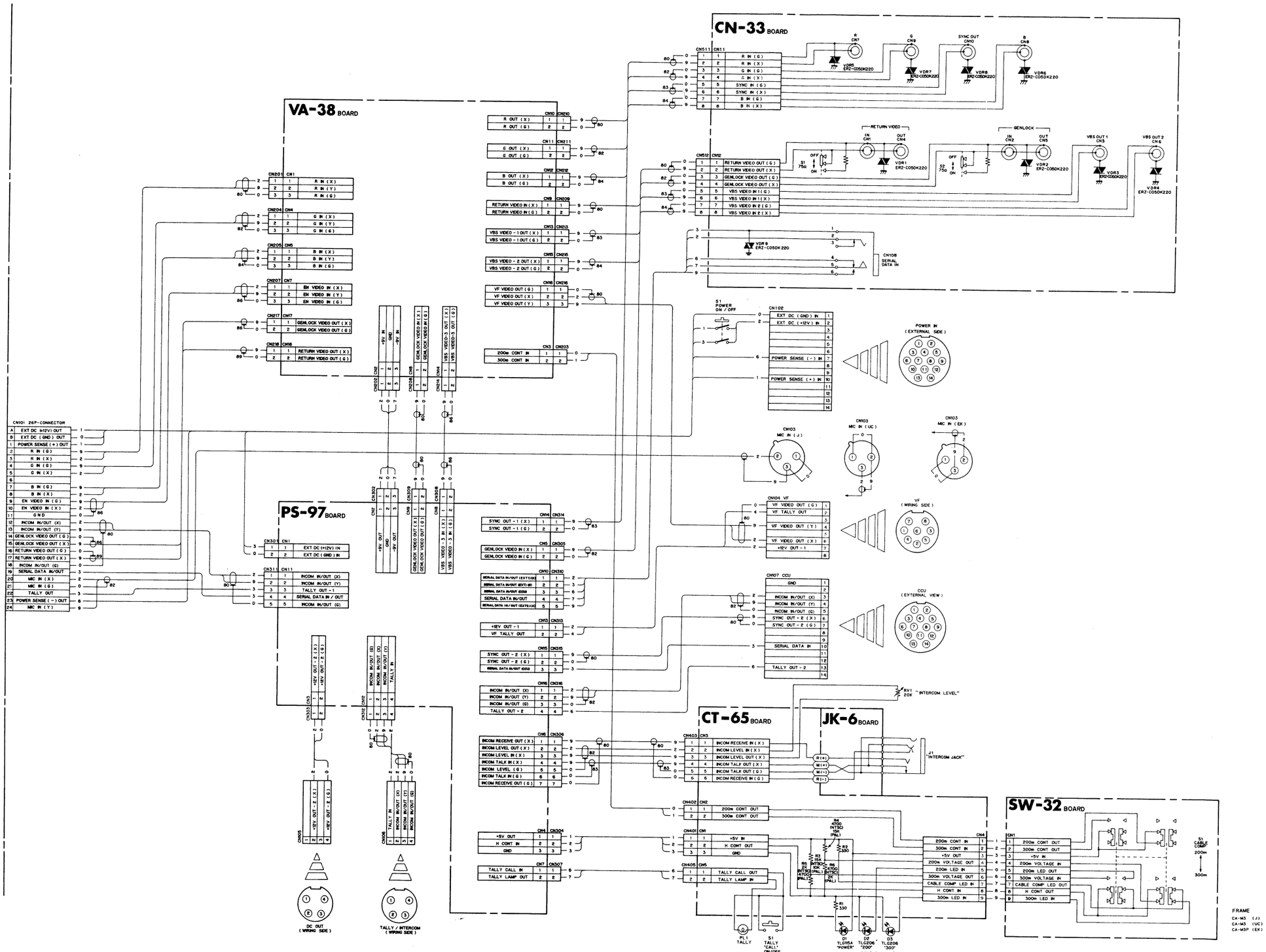
2SK152

FRAME, CN-33, CT-65, SW-32

FRAME
CN-33 BOARD
CT-65 BOARD
SW-32 BOARD



FRAME, CN-33, CT-65, SW-32


CN-33 BOARD
VA-38 BOARD
PS-97 BOARD
CT-65 BOARD
JK-6 BOARD
SW-32 BOARD
CN101 26P-CONNECTOR
EXT DC (+12V) OUT
EXT DC (GND) OUT
POWER SENSE (+) OUT
R IN (G)
R IN (X)
G IN (G)
G IN (X)
B IN (G)
B IN (X)
EN VIDEO IN (G)
EN VIDEO IN (X)
GND
INCOM IN/OUT (X)
INCOM IN/OUT (Y)
GENLOCK VIDEO OUT (G)
GENLOCK VIDEO OUT (X)
RETURN VIDEO OUT (X)
RETURN VIDEO OUT (G)
INCOM IN/OUT (G)
SERIAL DATA IN/OUT
MIC IN (X)
MIC IN (G)
TALLY OUT
POWER SENSE (-) OUT
MIC IN (Y)
R
CR7
G
CN9
SYNC OUT
CN10
B
CN8
VDR5 ERZ-C05DK220
VDR7 ERZ-C05DK220
VDR8 ERZ-C05DK220
VDR6 ERZ-C05DK220
RETURN VIDEO
GENLOCK
VBS OUT 1
CN5
VBS OUT 2
CN6
VDR1 ERZ-C05DK220
VDR2 ERZ-C05DK220
VDR3 ERZ-C05DK220
VDR4 ERZ-C05DK220
VDR9 ERZ-C05DK220
CN108 SERIAL DATA IN
S1 POWER ON / OFF
CN102
EXT DC (GND) IN
EXT DC (+12V) IN
POWER SENSE (-) IN
POWER SENSE (+) IN
POWER IN (EXTERNAL SIDE)
CN103 MIC IN (J)
CN103 MIC IN (UC)
CN103 MIC IN (EK)
CN104 VF
VF TALLY OUT
VF VIDEO OUT (Y)
VF VIDEO OUT (X)
+12V OUT - 1
VF (WIRING SIDE)
CN107 CCU
GND
INCOM IN/OUT (X)
INCOM IN/OUT (Y)
INCOM IN/OUT (G)
SYNC OUT - 2 (X)
SYNC OUT - 2 (G)
SERIAL DATA IN
TALLY OUT - 2
CCU (EXTERNAL VIEW)
RV1 "INTERCOM LEVEL"
J1 "INTERCOM JACK"
CN1 EXT DC (+12V) IN
EXT DC (GND) IN
CN311 INCOM IN/OUT (X)
INCOM IN/OUT (Y)
TALLY OUT - 1
SERIAL DATA IN / OUT
INCOM IN/OUT (G)
CN201 R IN (X) R IN (Y) R IN (G)
CN204 G IN (X) G IN (Y) G IN (G)
CN205 B IN (X) B IN (Y) B IN (G)
CN207 EN VIDEO IN (X) EN VIDEO IN (Y) EN VIDEO IN (G)
CN217 GENLOCK VIDEO OUT (X) GENLOCK VIDEO OUT (G)
CN218 RETURN VIDEO OUT (X) RETURN VIDEO OUT (G)
CN10 CN210 R OUT (X) R OUT (G)
CN11 CN211 G OUT (X) G OUT (G)
CN12 CN212 B OUT (X) B OUT (G)
CN9 CN209 RETURN VIDEO IN (X) RETURN VIDEO IN (G)
CN13 CN213 VBS VIDEO - 1 OUT (X) VBS VIDEO - 1 OUT (G)
CN15 CN215 VBS VIDEO - 2 OUT (X) VBS VIDEO - 2 OUT (G)
CN16 CN216 VF VIDEO OUT (G) VF VIDEO OUT (X) VF VIDEO OUT (Y)
CN3 CN203 200m CONT IN 300m CONT IN
CN512 CN12 RETURN VIDEO OUT (G) RETURN VIDEO OUT (X) GENLOCK VIDEO OUT (G) GENLOCK VIDEO OUT (X) VBS VIDEO IN 1 (G) VBS VIDEO IN 1 (X) VBS VIDEO IN 2 (G) VBS VIDEO IN 2 (X)
CN511 CN11 R IN (G) R IN (X) G IN (G) G IN (X) SYNC IN (G) SYNC IN (X) B IN (G) B IN (X)
CN4 CN314 SYNC OUT - 1 (X) SYNC OUT - 1 (G)
CN5 CN309 GENLOCK VIDEO IN (X) GENLOCK VIDEO IN (G)
CN10 CN310 SERIAL DATA IN/OUT (EXT1/2DE) SERIAL DATA IN/OUT (EXT) SERIAL DATA IN/OUT (CCU) SERIAL DATA IN/OUT SERIAL DATA IN / OUT (EXT1/2E)
CN13 CN313 +12V OUT - 1 VF TALLY OUT
CN15 CN315 SYNC OUT - 2 (X) SYNC OUT - 2 (G) SERIAL DATA IN/OUT (CCU)
CN16 CN316 INCOM IN/OUT (X) INCOM IN/OUT (Y) INCOM IN/OUT (G) TALLY OUT - 2
CN6 CN306 INCOM RECEIVE OUT (X) INCOM LEVEL OUT (X) INCOM LEVEL IN (X) INCOM TALK IN (X) INCOM LEVEL (G) INCOM TALK IN (G) INCOM RECEIVE OUT (G)
CN4 CN304 +5V OUT H CONT IN GND
CN7 CN307 TALLY CALL IN TALLY LAMP OUT
CN403 CN3 INCOM RECEIVE IN (X) INCOM LEVEL IN (X) INCOM LEVEL OUT (X) INCOM TALK OUT (X) INCOM TALK OUT (G) INCOM RECEIVE IN (G)
CN402 CN2 200m CONT OUT 300m CONT OUT
CN401 CN1 +5V IN H CONT OUT GND
CN405 CN5 TALLY CALL OUT TALLY LAMP IN
CN4 200m CONT IN 300m CONT IN +5V OUT 200m VOLTAGE OUT 200m LED IN 300m VOLTAGE OUT CABLE COMP LED IN H CONT IN 300m LED IN
CN1 200m CONT OUT 300m CONT OUT +5V IN 200m VOLTAGE IN 200m LED OUT 300m VOLTAGE IN CABLE COMP LED OUT H CONT OUT 300m LED IN
S1 CABLE COMP 200m 300m
R4 47000 (INTSC) 10K (PAL)
R2 330
R3 15K (INTSC) 47000 (PAL)
R5 47000 (INTSC) 47000 (PAL)
R6 47000 (INTSC) 2K (PAL)
R1 330
D1 TLG115A "POWER"
D2 TLG206 "200" "CABLE COMP"
D3 TLG206 "300"
PL1 TALLY
S1 TALLY "CALL" ON/OFF
DC OUT (WIRING SIDE)
TALLY / INTERCOM (WIRING SIDE)
FRAME
CA-M3 (J)
CA-M3 (UC)
CA-M3P (EK)

SECTION 3
SPARE PARTS

3-1. PARTS INFORMATION

Notes on Repair Parts

(1) Safety Related Components Warning

Components identified by shading marked with ⚠ on the exploded views and electrical spare parts list are critical to safe operation. Replace these components with Sony parts whose part numbers appear in this manual or in service bulletins and service manual supplements published by Sony.

(2) Standardization of Parts

Repair parts supplied from Sony Parts Center may not be always identical with the part which actually in use due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts".

This manual's exploded views and electrical spare parts list are indicating the parts numbers of "the standardized genuine parts at present".

(3) Stock of Parts

The parts marked with "s" in the SP column of the exploded views and electrical spare parts list are normally stocked for replacement purposes. The parts marked with "o "in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.

3-3. ELECTRICAL PARTS LIST

Parts that are not listed in the "reference numbers order list" are shown in following table.
Reference numbers are omitted.

ABBREVIATION

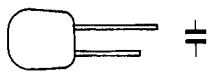
Ref. No.	DESCRIPTION	Ref. No.	DESCRIPTION	Ref. No.	DESCRIPTION
C	CAPACITOR	J	JACK	RV	VARIABLE RESISTOR
CN	CONNECTOR	L	INDUCTOR	S	SWITCH
CV	VARIABLE CAPACITOR	PH	PHOTO COUPLER	SG	SG UNIT
D	DIODE	PL	PILOT LAMP	T	TRANSFORMER
F	FUSE	Q	TRANSISTOR	VDR	VARISTOR
IC	IC	R	RESISTOR		

All capacitors are in micro farads unless otherwise specified.
All inductors are in micro henries unless otherwise specified.
All resistors are in ohms.

CAPACITOR

SILVERED MICA CAPACITOR

1 pF through 8.2 pF ±0.5 pF 500V
10 pF through 680 pF ±5% 500V
750 pF ± 10% 500V

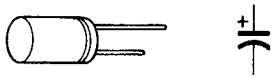


Parts No. 1-107-□□□-00

Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-	Value	Parts No. -□□□-
1 pF	019	12 pF	204	51 pF	164	220 pF	177
1.2	039	13	205	56	165	240	178
1.5	040	15	206	62	166	270	179
1.8	041	16	207	68	036	300	180
2.2	042	18	208	75	167	330	181
2.7	043	20	209	82	037	360	182
3.3	044	22	210	91	168	390	183
3.9	045	24	211	100	169	430	184
4.7	046	27	157	110	170	470	185
5.1	026	30	158	120	171	510	186
5.6	047	33	159	130	172	560	187
6.8	048	36	160	150	173	620	188
8.2	049	39	161	160	174	680	212
10	202	43	162	180	175	750	258
11	203	47	163	200	176		

C. ELECTROLYTIC

ELECTROLYTIC CAPACITOR — 0.1μF through 100μF, 6.3WV through 50WV

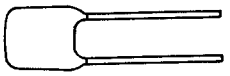


Parts No. 1-123-□□□-00

Value		Parts No. –□□□–
0.1μF	50V	607
0.22	50	608
0.33	50	609
0.47	50	610
0.68	50	902
1	50	611
2.2	50	612
3.3	35	614
	50	613
4.7	25	616
	35	615
	50	619
10	16	617
	25	621
	35	620
	50	816

Value		Parts No. –□□□–
22μF	6.3V	618
	10	644
	16	622
	25	818
	35	817
33	6.3	646
	10	645
	16	820
	25	819
47	6.3	647
	10	822
	16	821
100	6.3	661

MYLAR CAPACITOR



0.00047μF through 0.22μF
±5% 50WV

Parts No. 1-130-□□□-00

Value	Parts No. –□□□–
0.00047μF	467
0.00056	468
0.00068	469
0.00082	470
0.001	471
0.0012	472
0.0015	473
0.0018	474
0.0022	475
0.0027	476
0.0033	477

Value	Parts No. –□□□–
0.0039μF	478
0.0047	479
0.0056	480
0.0068	481
0.0082	482
0.01	483
0.012	484
0.015	485
0.018	486
0.022	487
0.027	488

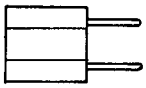
Value	Parts No. –□□□–
0.033μF	489
0.039	490
0.047	491
0.056	492
0.068	493
0.082	494
0.1	495
0.12	496
0.15	497
0.18	498
0.22	499

L. INDUCTOR

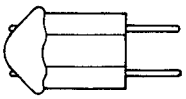
INDUCTOR

MICRO INDUCTOR — 1 μH through 470 μH ±5%

-21



-00



Parts No. 1-408-□□□-□□

Value	Parts No. −□□□−	Value	Parts No. −□□□−	Value	Parts No. −□□□−	Value	Parts No. −□□□−
1 μH	397	4.7 μH	405	22 μH	413	100 μH	421
1.2	398	5.6	406	27	414	120	422
1.5	399	6.8	407	33	415	150	423
1.8	400	8.2	408	39	416	180	424
2.2	401	10	409	47	417	220	425
2.7	402	12	410	56	418	270	426
3.3	403	15	411	68	419	330	427
3.9	404	18	412	82	420	390	428
						470	429

RESISTOR

CARBON RESISTOR (1/6W)

±5%, 1/6W, non-special type
2.2Ω through 1MΩ

Parts No. 1-247-□□□-00

Value	Parts No. −□□□−	Value	Parts No. −□□□−	Value	Parts No. −□□□−	Value	Parts No. −□□□−
1Ω	–	36Ω	796	1.2kΩ	833	43kΩ	870
1.1	–	39	797	1.3	834	47	871
1.2	–	43	798	1.5	835	51	872
1.3	–	47	799	1.6	836	56	873
1.5	–	51	800	1.8	837	62	874
1.6	–	56	801	2	838	68	875
1.8	–	62	802	2.2	839	75	876
2	–	68	803	2.4	840	82	877
2.2	767	75	804	2.7	841	91	878
2.4	768	82	805	3	842	100kΩ	879
2.7	769	91	806	3.3	843	110	880
3	770	100Ω	807	3.6	844	120	881
3.3	771	110	808	3.9	845	130	882
3.6	772	120	809	4.3	846	150	883
3.9	773	130	810	4.7	847	160	884
4.3	774	150	811	5.1	848	180	885
4.7	775	160	812	5.6	849	200	886
5.1	776	180	813	6.2	850	220	887
5.6	777	200	814	6.8	851	240	888
6.2	778	220	815	7.5	852	270	889
6.8	779	240	816	8.2	853	300	890
7.5	780	270	817	9.1	854	330	891
8.2	781	300	818	10kΩ	855	360	892
9.1	782	330	819	11	856	390	893
10Ω	783	360	820	12	857	430	894
11	784	390	821	13	858	470	895
12	785	430	822	15	859	510	896
13	786	470	823	16	860	560	897
15	787	510	824	18	861	620	898
16	788	560	825	20	862	680	899
18	789	620	826	22	863	750	900
20	790	680	827	24	864	820	901
22	791	750	828	27	865	910	902
24	792	820	829	30	866	1MΩ	903
27	793	910	830	33	867		
30	794	1kΩ	831	36	868		
33	795	1.1	832	39	869		

Ref.No.	Part No.	SP	Description
---CCU ADAPTOR---			
PS-97 BOARD			
	A-7513-273-A	O	MOUNTED CIRCUIT BOARD "PS-97"(FOR UC)
	A-7513-274-A	O	MOUNTED CIRCUIT BOARD "PS-97"(FOR EK)
C10	1-124-155-00	S	ELECT 330 20% 35V
C16	1-124-143-00	S	ELECT 100 20% 16V
C19	1-124-143-00	S	ELECT 100 20% 16V
C24	1-124-143-00	S	ELECT 100 20% 16V
C26	1-124-139-00	S	ELECT 100 20% 10V
C33	1-124-139-00	S	ELECT 100 20% 10V
C42	1-124-146-00	S	ELECT 470 20% 16V
C46	1-124-155-00	S	ELECT 330 20% 35V
C48	1-124-143-00	S	ELECT 100 20% 16V
C52	1-124-139-00	S	ELECT 100 20% 10V
C75	1-124-142-00	S	ELECT 470 20% 10V
C83	1-124-141-00	S	ELECT 330 20% 10V
C86	1-102-973-00	S	CERAMIC 100PF 5% 50V
C87	1-102-973-00	S	CERAMIC 100PF 5% 50V
C88	1-102-973-00	S	CERAMIC 100PF 5% 50V
C89	1-102-973-00	S	CERAMIC 100PF 5% 50V
CN1	1-560-356-00	O	RECEPTACLE,2P MALE
	1-561-514-00	O	PLUG HOUSING 2P
	1-560-372-00	O	PLUG CONTACT
CN2	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN3	1-560-356-00	O	RECEPTACLE,2P MALE
	1-561-514-00	O	PLUG HOUSING 2P
	1-560-372-00	O	PLUG CONTACT
CN4	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN5	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN6	1-564-006-11	O	RECEPTACLE,7P MALE
	1-562-152-11	O	PLUG HOUSING 7P
	1-564-026-00	O	PLUG CONTACT
CN7	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN8	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN9	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN10	1-564-004-00	O	RECEPTACLE,5P MALE
	1-562-150-11	O	PLUG HOUSING 5P
	1-564-026-00	O	PLUG CONTACT
CN11	1-564-004-00	O	RECEPTACLE,5P MALE
	1-562-150-11	O	PLUG HOUSING 5P
	1-564-026-00	O	PLUG CONTACT
CN12	1-564-003-00	O	RECEPTACLE,4P MALE
	1-562-149-11	O	PLUG HOUSING 4P
	1-564-026-00	O	PLUG CONTACT
CN13	1-560-356-00	O	RECEPTACLE,2P MALE
	1-561-514-00	O	PLUG HOUSING 2P
	1-560-372-00	O	PLUG CONTACT
CN14	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN15	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN16	1-564-003-00	O	RECEPTACLE,4P MALE
	1-562-149-11	O	PLUG HOUSING 4P
	1-564-026-00	O	PLUG CONTACT
D1	8-719-107-81	S	5P4M
D2	8-719-815-55	S	1S1555
D3	8-719-815-55	S	1S1555
D6	8-719-182-07	S	RD8.2E-B
D7	8-719-815-85	S	1S1585
D8	8-719-907-25	S	ERA84-009
D9	8-719-907-25	S	ERA84-009
D10	8-719-907-25	S	ERA84-009
D11	8-719-907-25	S	ERA84-009
D12	8-719-102-51	S	1SZ51
D13	8-719-907-25	S	ERA84-009
D14	8-719-907-25	S	ERA84-009
D15	8-719-815-55	S	1S1555
D16	8-719-907-25	S	ERA84-009
D17	8-719-907-25	S	ERA84-009
D18	8-719-815-55	S	1S1555
D19	8-719-815-55	S	1S1555
D22	8-719-903-16	S	ESAC85-009
D24	8-719-815-55	S	1S1555
D26	8-719-815-85	S	1S1585
D27	8-719-815-85	S	1S1585
D28	8-719-815-55	S	1S1555
D29	8-719-815-55	S	1S1555
D30	8-719-143-07	S	RD4.3E-B
D31	8-719-815-55	S	1S1555
D32	8-719-815-55	S	1S1555
D33	8-719-815-55	S	1S1555
D34	8-719-815-55	S	1S1555
D40	8-719-815-55	S	1S1555
D41	8-719-815-55	S	1S1555

Ref.No.	Part No.	SP	Description
D42	8-719-815-55	S	1S1555
D43	8-719-124-07	S	RD24E-B
D44	8-719-815-55	S	1S1555
D45	8-719-815-55	S	1S1555
D46	8-719-815-55	S	1S1555
⚠F1	1-532-747-11	S	FUSE,GLASS TUBE (FOR UC)
⚠F1	1-532-299-00	S	FUSE,TIME-LAG(FOR EK)
IC1	8-759-904-94	S	TL494CN: TI
IC2	8-759-135-80	S	UPC358C: NEC
IC3	8-759-990-84	S	TL084CN: TI
IC4	8-759-135-80	S	UPC358C: NEC
IC5	8-759-729-01	S	NJM2901N: JRC
IC6	8-759-904-94	S	TL494CN: TI
IC7	8-759-990-82	S	TL082CP: TI
IC9	8-759-240-66	S	TC4066BP: TOSHIBA
IC10	8-759-990-82	S	TL082CP: TI
IC11	8-741-104-00	S	BX1040: SONY
IC12	8-759-131-11	S	UPC311C: NEC
L2	1-407-496-00	S	MICRO 2200
L3	1-459-106-00	S	820, WITH DUST CORE
L4	1-408-354-00	S	220, (LH1-221K)
L5	1-421-541-00	S	CHOKE 1000
L6	1-408-354-00	S	220, (LH1-221K)
L7	1-459-106-00	S	820, WITH DUST CORE
L8	1-408-354-00	S	220, (LH1-221K)
L9	1-408-321-00	S	CHOKE 300
L10	1-459-433-00	S	22, WITH CORE
L21	1-459-433-00	S	22, WITH CORE
L22	1-459-433-00	S	22, WITH CORE
L24	1-459-442-00	S	15, WITH CORE
PH1	8-719-120-01	O	PS2001B
PH2	8-719-120-01	O	PS2001B
PH3	8-719-120-01	O	PS2001B
Q1	8-729-178-54	S	2SC2785
Q2	8-729-117-54	S	2SA1175
Q3	8-729-178-54	S	2SC2785
Q4	8-729-117-54	S	2SA1175
Q5	8-729-133-43	S	2SC2334-K
Q6	8-729-133-43	S	2SC2334-K
Q7	8-729-178-54	S	2SC2785
Q8	8-729-113-33	S	2SB733-4
Q9	8-729-178-54	S	2SC2785
Q10	8-729-113-33	S	2SB733-4

Ref.No.	Part No.	SP	Description
Q11	8-729-178-54	S	2SC2785
Q12	8-729-117-54	S	2SA1175
Q13	8-729-177-43	S	2SD774-4
Q14	8-729-178-54	S	2SC2785
Q15	8-729-117-54	S	2SA1175
Q16	8-729-178-54	S	2SC2785
Q17	8-729-117-54	S	2SA1175
Q18	8-729-133-43	S	2SC2334-K
Q19	8-729-133-43	S	2SC2334-K
Q20	8-729-882-53	S	2SB825-S
Q21	8-729-178-54	S	2SC2785
Q22	8-729-178-54	S	2SC2785
Q23	8-729-178-54	S	2SC2785
Q24	8-729-178-54	S	2SC2785
Q27	8-729-117-54	S	2SA1175
Q28	8-729-117-54	S	2SA1175
Q29	8-729-178-54	S	2SC2785
Q30	8-729-117-54	S	2SA1175
Q31	8-729-178-54	S	2SC2785
Q32	8-729-117-54	S	2SA1175
Q33	8-729-800-43	S	2SK152-3
Q34	8-729-178-54	S	2SC2785
Q35	8-729-266-83	S	2SC2668-Y
Q36	8-729-266-83	S	2SC2668-Y
Q37	8-729-117-54	S	2SA1175
Q38	8-729-266-83	S	2SC2668-Y
Q40	8-729-117-54	S	2SA1175
R3	1-215-441-00	S	METAL 6800 1% 1/6W
R4	1-215-425-00	S	METAL 1500 1% 1/6W
R5	1-215-413-00	S	METAL 470 1% 1/6W
R13	1-217-153-00	S	METAL PLATE 0.47
R14	1-247-232-00	S	CARBON 470 5% 1/2W
R15	1-247-232-00	S	CARBON 470 5% 1/2W
R16	1-246-465-00	S	CARBON 470 5% 1/4W
R17	1-246-465-00	S	CARBON 470 5% 1/4W
R22	1-244-849-00	S	CARBON 100 5% 1/2W
R26	1-215-427-00	S	METAL 1800 1% 1/6W (UC) UP TO 10015 (EK) UP TO 10010
R26	1-215-429-00	S	METAL 2200 1% 1/6W (UC) 10016 AND HIGHER (EK) 10011 AND HIGHER
R27	1-215-439-00	S	METAL 5600 1% 1/6W
R29	1-215-435-00	S	METAL 3900 1% 1/6W
R30	1-215-438-00	S	METAL 5100 1% 1/6W
R31	1-215-433-00	S	METAL 3300 1% 1/6W
R34	1-215-445-00	S	METAL 10K 1% 1/6W

Ref.No.	Part No.	SP	Description
R35	1-215-445-00	S	METAL 10K 1% 1/6W
R36	1-215-419-00	S	METAK 820 1% 1/6W
R37	1-215-439-00	S	METAL 5600 1% 1/6W
R41	1-215-445-00	S	METAL 10K 1% 1/6W
R42	1-215-447-00	S	METAL 12K 1% 1/6W
R43	1-215-397-00	S	METAL 100 1% 1/6W
R45	1-215-445-00	S	METAL 10K 1% 1/6W
R46	1-215-449-00	S	METAL 15K 1% 1/6W
R47	1-215-447-00	S	METAL 12K 1% 1/6W
R48	1-215-449-00	S	METAL 15K 1% 1/6W
R49	1-215-441-00	S	METAL 6800 1% 1/6W
R50	1-215-421-00	S	METAL 1K 1% 1/6W
R51	1-215-413-00	S	METAL 470 1% 1/6W
R59	1-217-611-00	S	METAL PLATE 0.1
R60	1-247-232-00	S	CARBON 470 5% 1/2W
R61	1-247-232-00	S	CARBON 470 5% 1/2W
R62	1-207-632-00	S	WIREWOUND 47 10% 3W
R63	1-207-632-00	S	WIREWOUND 47 10% 3W
R66	1-207-638-00	S	WIREWOUND 220 10% 3W
R67	1-215-432-00	S	METAL 3K 1% 1/6W
R68	1-215-444-00	S	METAL 9100 1% 1/6W
R70	1-215-431-00	S	METAL 2700 1% 1/6W (UC) UP TO 10015 (EK) UP TO 10010
R70	1-215-434-00	S	METAL 3600 1% 1/6W (UC) 10016 AND HIGHER (EK) 10011 AND HIGHER
R71	1-215-434-00	S	METAL 3600 1% 1/6W (UC) UP TO 10015 (EK) UP TO 10010
R71	1-215-431-00	S	METAL 2700 1% 1/6W (UC) 10016 AND HIGHER (EK) 10011 AND HIGHER
R84	1-215-394-00	S	METAL 75 1% 1/6W
R87	1-215-435-00	S	METAL 3900 1% 1/6W
R88	1-215-437-00	S	METAL 4700 1% 1/6W
R106	1-215-462-00	S	METAL 51K 1% 1/6W
R108	1-215-416-00	S	METAL 620 1% 1/6W
R118	1-215-397-00	S	METAL 100 1% 1/6W
R119	1-215-421-00	S	METAL 1K 1% 1/6W
R121	1-215-392-00	S	METAL 62 1% 1/6W
R122	1-215-427-00	S	METAL 1800 1% 1/6W
R124	1-247-192-00	S	CARBON 10 5% 1/2W
R125	1-247-192-00	S	CARBON 10 5% 1/2W
R126	1-247-192-00	S	CARBON 10 5% 1/2W
R127	1-247-192-00	S	CARBON 10 5% 1/2W
R130	1-215-451-00	S	METAL 18K 1% 1/6W
R131	1-215-453-00	S	METAL 22K 1% 1/6W
R215	1-215-435-00	S	METAL 3900 1% 1/6W
R216	1-215-453-00	S	METAL 22K 1% 1/6W
RV1	1-230-520-11	S	METAL 1K
RV2	1-228-890-00	S	METAL 4700
RV6	1-228-889-00	S	METAL 2200 (UC) UP TO 10015 (EK) UP TO 10010
RV6	1-228-890-00	S	METAL 4700 (UC) 10016 AND HIGHER (EK) 10011 AND HIGHER
R7	1-228-890-00	S	METAL 4700
RV8	1-230-520-11	S	METAL 1K
SG1	1-464-305-11	S	SG UNIT(FOR UC)
SG1	1-464-305-21	S	SG UNIT(FOR EK)
T1	1-448-214-11	S	TRANSFORMER,CONVERTER
T2	1-448-215-11	S	TRANSFORMER,CONVERTER
T3	1-427-487-00	S	TRANSFORMER,OUTPUT

Ref.No.	Part No.	SP	Description
VA-38 BOARD			
	A-7513-275-A	O	MOUNTED CIRCUIT BOARD "VA-38"
C7	1-124-135-00	S	ELECT 470 20% 6.3V
C34	1-124-135-00	S	ELECT 470 20% 6.3V
C61	1-124-135-00	S	ELECT 470 20% 6.3V
C88	1-124-135-00	S	ELECT 470 20% 6.3V
C113	1-131-347-00	S	TANTALUM 1 10% 35V
C137	1-131-347-00	S	TANTALUM 1 10% 35V
C171	1-124-134-00	S	ELECT 330 20% 6.3V
CN1	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN2	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN3	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN4	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN5	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN6	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN7	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN8	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN9	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN10	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN11	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN12	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN13	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN14	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN15	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN16	1-560-357-00	O	RECEPTACLE,3P MALE
	1-561-515-00	O	PLUG HOUSING 3P
	1-560-372-00	O	PLUG CONTACT
CN17	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN18	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CV1	1-141-260-00	S	TRIMMER,CERAMIC
CV2	1-141-260-00	S	TRIMMER,CERAMIC
CV3	1-141-260-00	S	TRIMMER,CERAMIC
CV4	1-141-260-00	S	TRIMMER,CERAMIC
CV5	1-141-260-00	S	TRIMMER,CERAMIC
CV6	1-141-260-00	S	TRIMMER,CERAMIC
CV7	1-141-260-00	S	TRIMMER,CERAMIC
CV8	1-141-260-00	S	TRIMMER,CERAMIC
CV9	1-141-260-00	S	TRIMMER,CERAMIC
CV10	1-141-260-00	S	TRIMMER,CERAMIC
CV11	1-141-260-00	S	TRIMMER,CERAMIC
CV12	1-141-260-00	S	TRIMMER,CERAMIC
D1	8-719-815-55	S	1S1555
D2	8-719-175-07	S	RD7.5E-B
D3	8-719-110-07	S	RD10E-B
D4	8-719-815-55	S	1S1555
D5	8-719-815-55	S	1S1555
D6	8-719-815-55	S	1S1555
D7	8-719-175-07	S	RD7.5E-B
D8	8-719-110-07	S	RD10E-B
D9	8-719-815-55	S	1S1555
D10	8-719-815-55	S	1S1555
D11	8-719-815-55	S	1S1555
D12	8-719-175-07	S	RD7.5E-B
D13	8-719-110-07	S	RD10E-B
D14	8-719-815-55	S	1S1555
D15	8-719-815-55	S	1S1555
D16	8-719-815-55	S	1S1555
D17	8-719-175-07	S	RD7.5E-B
D18	8-719-110-07	S	RD10E-B
D19	8-719-815-55	S	1S1555
D20	8-719-815-55	S	1S1555
D21	8-719-110-07	S	RD10E-B
D22	8-719-815-55	S	1S1555
D23	8-719-110-07	S	RD10E-B
D24	8-719-815-55	S	1S1555
D25	8-719-110-07	S	RD10E-B

Ref.No.	Part No.	SP	Description	Ref.No.	Part No.	SP	Description
Q1	8-729-266-93	S	2SC2669-Y	Q46	8-729-204-83	S	2SA1048-GR
Q2	8-729-266-93	S	2SC2669-Y	Q47	8-729-266-93	S	2SC2669-Y
Q3	8-729-266-93	S	2SC2669-Y	Q48	8-729-266-93	S	2SC2669-Y
Q4	8-729-802-44	S	2SK125-4	Q49	8-729-266-93	S	2SC2669-Y
Q5	8-729-266-93	S	2SC2669-Y	Q50	8-729-266-93	S	2SC2669-Y
Q6	8-729-266-93	S	2SC2669-Y	Q51	8-729-266-93	S	2SC2669-Y
Q7	8-729-802-44	S	2SK125-4	Q52	8-729-802-44	S	2SK125-4
Q8	8-729-266-93	S	2SC2669-Y	Q53	8-729-266-93	S	2SC2669-Y
Q9	8-729-802-44	S	2SK125-4	Q54	8-729-266-93	S	2SC2669-Y
Q10	8-729-266-93	S	2SC2669-Y	Q55	8-729-802-44	S	2SK125-4
Q11	8-729-266-93	S	2SC2669-Y	Q56	8-729-266-93	S	2SC2669-Y
Q12	8-729-802-44	S	2SK125-4	Q57	8-729-802-44	S	2SK125-4
Q13	8-729-266-93	S	2SC2669-Y	Q58	8-729-266-93	S	2SC2669-Y
Q14	8-729-204-83	S	2SA1048-GR	Q59	8-729-266-93	S	2SC2669-Y
Q15	8-729-266-93	S	2SC2669-Y	Q60	8-729-802-44	S	2SK125-4
Q16	8-729-266-93	S	2SC2669-Y	Q61	8-729-266-93	S	2SC2669-Y
Q17	8-729-266-93	S	2SC2669-Y	Q62	8-729-204-83	S	2SA1048-GR
Q18	8-729-266-93	S	2SC2669-Y	Q63	8-729-266-93	S	2SC2669-Y
Q19	8-729-266-93	S	2SC2669-Y	Q64	8-729-266-93	S	2SC2669-Y
Q20	8-729-802-44	S	2SK125-4	Q65	8-729-204-83	S	2SA1048-GR
Q21	8-729-266-93	S	2SC2669-Y	Q66	8-729-266-93	S	2SC2669-Y
Q22	8-729-266-93	S	2SC2669-Y	Q67	8-729-266-93	S	2SC2669-Y
Q23	8-729-802-44	S	2SK125-4	Q68	8-729-205-84	S	2SC2458-BL
Q24	8-729-266-93	S	2SC2669-Y	Q69	8-729-205-84	S	2SC2458-BL
Q25	8-729-802-44	S	2SK125-4	Q70	8-729-205-84	S	2SC2458-BL
Q26	8-729-266-93	S	2SC2669-Y	Q71	8-729-266-93	S	2SC2669-Y
Q27	8-729-266-93	S	2SC2669-Y	Q72	8-729-266-93	S	2SC2669-Y
Q28	8-729-802-44	S	2SK125-4	Q73	8-729-266-93	S	2SC2669-Y
Q29	8-729-266-93	S	2SC2669-Y	Q74	8-729-802-44	S	2SK125-4
Q30	8-729-204-83	S	2SA1048-GR	Q75	8-729-802-44	S	2SK125-4
Q31	8-729-266-93	S	2SC2669-Y	Q76	8-729-266-93	S	2SC2669-Y
Q32	8-729-266-93	S	2SC2669-Y	Q77	8-729-266-93	S	2SC2669-Y
Q33	8-729-266-93	S	2SC2669-Y	Q78	8-729-802-44	S	2SK125-4
Q34	8-729-266-93	S	2SC2669-Y	Q79	8-729-802-44	S	2SK125-4
Q35	8-729-266-93	S	2SC2669-Y	Q80	8-729-266-83	S	2SC2668-Y
Q36	8-729-802-44	S	2SK125-4	Q81	8-729-204-83	S	2SA1048-GR
Q37	8-729-266-93	S	2SC2669-Y	Q82	8-729-266-93	S	2SC2669-Y
Q38	8-729-266-93	S	2SC2669-Y	Q83	8-729-266-93	S	2SC2669-Y
Q39	8-729-802-44	S	2SK125-4	Q84	8-729-205-84	S	2SC2458-BL
Q40	8-729-266-93	S	2SC2669-Y	Q85	8-729-205-84	S	2SC2458-BL
Q41	8-729-802-44	S	2SK125-4	Q86	8-729-205-84	S	2SC2458-BL
Q42	8-729-266-93	S	2SC2669-Y	Q87	8-729-266-93	S	2SC2669-Y
Q43	8-729-266-93	S	2SC2669-Y	Q88	8-729-266-93	S	2SC2669-Y
Q44	8-729-802-44	S	2SK125-4	Q89	8-729-266-93	S	2SC2669-Y
Q45	8-729-266-93	S	2SC2669-Y	Q90	8-729-802-44	S	2SK125-4

Ref.No.	Part No.	SP	Description
Q91	8-729-802-44	S	2SK125-4
Q92	8-729-266-93	S	2SC2669-Y
Q93	8-729-266-93	S	2SC2669-Y
Q94	8-729-802-44	S	2SK125-4
Q95	8-729-802-44	S	2SK125-4
Q96	8-729-266-83	S	2SC2668-Y
Q97	8-729-204-83	S	2SA1048-GR
Q98	8-729-266-93	S	2SC2669-Y
Q99	8-729-266-93	S	2SC2669-Y
Q100	8-729-266-93	S	2SC2669-Y
Q101	8-729-266-93	S	2SC2669-Y
R1	1-215-390-00	S	METAL 51 1% 1/6W
R3	1-215-414-00	S	METAL 510 1% 1/6W
R7	1-215-435-00	S	METAL 3900 1% 1/6W
R8	1-215-431-00	S	METAL 2700 1% 1/6W
R11	1-215-424-00	S	METAL 1300 1% 1/6W
R12	1-215-448-00	S	METAL 13K 1% 1/6W
R14	1-215-424-00	S	METAL 1300 1% 1/6W
R20	1-215-427-00	S	METAL 1800 1% 1/6W
R22	1-215-411-00	S	METAL 390 1% 1/6W
R23	1-215-425-00	S	METAL 1500 1% 1/6W
R26	1-215-424-00	S	METAL 1300 1% 1/6W
R28	1-215-430-00	S	METAL 2400 1% 1/6W
R29	1-215-436-00	S	METAL 4300 1% 1/6W
R35	1-215-425-00	S	METAL 1500 1% 1/6W
R39	1-215-411-00	S	METAL 390 1% 1/6W
R40	1-215-413-00	S	METAK 470 1% 1/6W
R45	1-215-438-00	S	METAL 5100 1% 1/6W
R48	1-215-394-00	S	METAL 75 1% 1/6W
R49	1-215-390-00	S	METAL 51 1% 1/6W
R51	1-215-414-00	S	METAL 510 1% 1/6W
R55	1-215-435-00	S	METAL 3900 1% 1/6W
R56	1-215-431-00	S	METAL 2700 1% 1/6W
R59	1-215-424-00	S	METAL 1300 1% 1/6W
R60	1-215-448-00	S	METAL 13K 1% 1/6W
R62	1-215-424-00	S	METAL 1300 1% 1/6W
R68	1-215-427-00	S	METAL 1800 1% 1/6W
R70	1-215-411-00	S	METAL 390 1% 1/6W
R71	1-215-425-00	S	METAL 1500 1% 1/6W
R74	1-215-424-00	S	METAL 1300 1% 1/6W
R76	1-215-430-00	S	METAL 2400 1% 1/6W
R77	1-215-436-00	S	METAL 4300 1% 1/6W
R83	1-215-425-00	S	METAL 1500 1% 1/6W
R87	1-215-411-00	S	METAL 390 1% 1/6W
R88	1-215-413-00	S	METAK 470 1% 1/6W
R93	1-215-438-00	S	METAL 5100 1% 1/6W

Ref.No.	Part No.	SP	Description
R96	1-215-394-00	S	METAL 75 1% 1/6W
R97	1-215-390-00	S	METAL 51 1% 1/6W
R99	1-215-414-00	S	METAL 510 1% 1/6W
R103	1-215-435-00	S	METAL 3900 1% 1/6W
R104	1-215-431-00	S	METAL 2700 1% 1/6W
R107	1-215-424-00	S	METAL 1300 1% 1/6W
R108	1-215-448-00	S	METAL 13K 1% 1/6W
R110	1-215-424-00	S	METAL 1300 1% 1/6W
R116	1-215-427-00	S	METAL 1800 1% 1/6W
R118	1-215-411-00	S	METAL 390 1% 1/6W
R119	1-215-425-00	S	METAL 1500 1% 1/6W
R122	1-215-424-00	S	METAL 1300 1% 1/6W
R124	1-215-430-00	S	METAL 2400 1% 1/6W
R125	1-215-436-00	S	METAL 4300 1% 1/6W
R131	1-215-425-00	S	METAL 1500 1% 1/6W
R135	1-215-411-00	S	METAL 390 1% 1/6W
R136	1-215-413-00	S	METAK 470 1% 1/6W
R141	1-215-438-00	S	METAL 5100 1% 1/6W
R144	1-215-394-00	S	METAL 75 1% 1/6W
R145	1-215-390-00	S	METAL 51 1% 1/6W
R147	1-215-421-00	S	METAL 1K 1% 1/6W
R151	1-215-435-00	S	METAL 3900 1% 1/6W
R152	1-215-431-00	S	METAL 2700 1% 1/6W
R155	1-215-424-00	S	METAL 1300 1% 1/6W
R156	1-215-425-00	S	METAL 1500 1% 1/6W
R157	1-215-454-00	S	METAL 24K 1% 1/6W
R161	1-215-427-00	S	METAL 1800 1% 1/6W
R163	1-215-409-00	S	METAL 330 1% 1/6W
R164	1-215-423-00	S	METAL 1200 1% 1/6W
R168	1-215-438-00	S	METAL 5100 1% 1/6W
R171	1-215-424-00	S	METAL 1300 1% 1/6W
R173	1-215-461-00	S	METAL 47K 1% 1/6W
R174	1-215-436-00	S	METAL 4300 1% 1/6W
R177	1-215-426-00	S	METAL 1600 1% 1/6W
R184	1-215-417-00	S	METAL 680 1% 1/6W
R185	1-215-433-00	S	METAL 3300 1% 1/6W
R193	1-215-394-00	S	METAL 75 1% 1/6W
R201	1-215-394-00	S	METAL 75 1% 1/6W
R202	1-215-421-00	S	METAL 1K 1% 1/6W
R208	1-215-419-00	S	METAL 820 1% 1/6W
R211	1-215-431-00	S	METAL 2700 1% 1/6W
R214	1-215-424-00	S	METAL 1300 1% 1/6W
R217	1-215-431-00	S	METAL 2700 1% 1/6W
R218	1-215-452-00	S	METAL 20K 1% 1/6W
R219	1-215-444-00	S	METAL 9100 1% 1/6W

Ref.No.	Part No.	SP	Description
R220	1-215-443-00	S	METAL 8200 1% 1/6W
R228	1-215-425-00	S	METAL 1500 1% 1/6W
R232	1-215-439-00	S	METAL 5600 1% 1/6W
R233	1-215-406-00	S	METAL 240 1% 1/6W
R234	1-215-433-00	S	METAL 3300 1% 1/6W
R235	1-215-400-00	S	METAL 130 1% 1/6W
R239	1-215-433-00	S	METAL 3300 1% 1/6W
R246	1-215-390-00	S	METAL 51 1% 1/6W
R247	1-215-445-00	S	METAL 10K 1% 1/6W
R253	1-215-419-00	S	METAL 820 1% 1/6W
R256	1-215-431-00	S	METAL 2700 1% 1/6W
R259	1-215-424-00	S	METAL 1300 1% 1/6W
R262	1-215-431-00	S	METAL 2700 1% 1/6W
R263	1-215-452-00	S	METAL 20K 1% 1/6W
R264	1-215-444-00	S	METAL 9100 1% 1/6W
R265	1-215-443-00	S	METAL 8200 1% 1/6W
R273	1-215-425-00	S	METAL 1500 1% 1/6W
R277	1-215-439-00	S	METAL 5600 1% 1/6W
R278	1-215-406-00	S	METAL 240 1% 1/6W
R279	1-215-433-00	S	METAL 3300 1% 1/6W
R280	1-215-400-00	S	METAL 130 1% 1/6W
R284	1-215-433-00	S	METAL 3300 1% 1/6W
R291	1-215-390-00	S	METAL 51 1% 1/6W
R300	1-215-463-00	S	METAL 56K 1% 1/6W
R301	1-215-463-00	S	METAL 56K 1% 1/6W
R302	1-215-463-00	S	METAL 56K 1% 1/6W
R303	1-215-466-00	S	METAL 75K 1% 1/6W
R304	1-215-451-00	S	METAL 18K 1% 1/6W
R305	1-215-452-00	S	METAL 20K 1% 1/6W
R306	1-215-452-00	S	METAL 20K 1% 1/6W
R307	1-215-451-00	S	METAL 18K 1% 1/6W
R308	1-215-451-00	S	METAL 18K 1% 1/6W
R309	1-215-452-00	S	METAL 20K 1% 1/6W
RV1	1-230-520-11	S	METAL 1K
RV2	1-228-889-00	S	METAL 2200
RV3	1-228-891-00	S	METAL 10K
RV4	1-228-889-00	S	METAL 2200
RV5	1-230-520-11	S	METAL 1K
RV6	1-228-889-00	S	METAL 2200
RV7	1-228-891-00	S	METAL 10K
RV8	1-228-889-00	S	METAL 2200
RV9	1-230-520-11	S	METAL 1K
RV10	1-228-889-00	S	METAL 2200
RV11	1-228-891-00	S	METAL 10K
RV12	1-228-889-00	S	METAL 2200
RV13	1-230-520-11	S	METAL 1K
RV14	1-228-889-00	S	METAL 2200
RV15	1-228-891-00	S	METAL 10K
RV16	1-228-889-00	S	METAL 2200
RV17	1-228-889-00	S	METAL 2200
RV18	1-228-891-00	S	METAL 10K
RV19	1-228-889-00	S	METAL 2200
RV20	1-228-889-00	S	METAL 2200
RV21	1-228-889-00	S	METAL 2200
RV22	1-228-891-00	S	METAL 10K
RV23	1-228-889-00	S	METAL 2200
RV24	1-228-889-00	S	METAL 2200

Ref.No.	Part No.	SP	Description
CN-33 BOARD			
	1-616-258-11	S	PRINTED CIRCUIT BOARD "CN-33"
CN1	1-561-781-41	S	RECEPTACLE,BNC "RETUEN VIDEO IN"
CN2	1-561-781-41	S	RECEPTACLE,BNC "GENLOK IN"
CN3	1-561-781-41	S	RECEPTACLE,BNC "VBS OUT 1"
CN4	1-561-781-41	S	RECEPTACLE,BNC "RETUEN VIDEO OUT"
CN5	1-561-781-41	S	RECEPTACLE,BNC "GENLOK IN"
CN6	1-561-781-41	S	RECEPTACLE,BNC "VBS OUT 2"
CN7	1-561-781-41	S	RECEPTACLE,BNC "R"
CN8	1-561-781-41	S	RECEPTACLE,BNC "B"
CN9	1-561-781-41	S	RECEPTACLE,BNC "G"
CN10	1-561-781-41	S	RECEPTACLE,BNC "SYNC OUT"
CN11	1-564-018-11	O	RECEPTACLE,8P MALE
	1-562-153-11	O	PLUG HOUSING 8P
	1-564-026-00	O	PLUG CONTACT
CN12	1-564-018-11	O	RECEPTACLE,8P MALE
	1-562-153-11	O	PLUG HOUSING 8P
	1-564-026-00	O	PLUG CONTACT
R1	1-215-394-00	S	METAL 75 1% 1/6W
R2	1-215-394-00	S	METAL 75 1% 1/6W
S1	1-516-576-00	S	SWITCH,SLIDE
S2	1-516-576-00	S	SWITCH,SLIDE
VDR1	1-806-497-00	S	ERZ-C05DK220
VDR2	1-806-497-00	S	ERZ-C05DK220
VDR3	1-806-497-00	S	ERZ-C05DK220
VDR4	1-806-497-00	S	ERZ-C05DK220
VDR5	1-806-497-00	S	ERZ-C05DK220
VDR6	1-806-497-00	S	ERZ-C05DK220
VDR7	1-806-497-00	S	ERZ-C05DK220
VDR8	1-806-497-00	S	ERZ-C05DK220
VDR9	1-806-497-00	S	ERZ-C05DK220

Ref.No.	Part No.	SP	Description
CT-65 BOARD			
	1-616-259-12	O	PRINTED CIRCUIT BOARD "CT-65"
CN1	1-564-013-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN2	1-564-012-00	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN3	1-564-016-00	O	RECEPTACLE,6P MALE
	1-562-151-11	O	PLUG HOUSING 6P
	1-564-026-00	O	PLUG CONTACT
CN4	1-564-019-11	O	RECEPTACLE,9P MALE
	1-562-154-11	O	PLUG HOUSING 9P
	1-564-026-00	O	PLUG CONTACT
CN5	1-564-012-00	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
D1	8-719-820-15	S	TLG115A "POWER"
D2	8-719-822-06	S	TLG206 "CABLE COMP 200"
D3	8-719-822-06	S	TLG206 'CABLE COMP 300"
PL1	1-518-327-21	S	LAMP,PILOT
R3	1-215-449-00	S	METAL 15K 1% 1/6W (FOR UC)
R3	1-215-445-00	S	METAL 10K 1% 1/6W (FOR EK)
R4	1-215-437-00	S	METAL 4700 1% 1/6W (FOR UC)
R4	1-215-449-00	S	METAL 15K 1% 1/6W (FOR EK)
R5	1-215-428-00	S	METAL 2K 1% 1/6W (FOR UC)
R5	1-215-437-00	S	METAL 4700 1% 1/6W (FOR EK)
R6	1-215-437-00	S	METAL 4700 1% 1/6W (FOR UC)
R6	1-215-428-00	S	METAL 2K 1% 1/6W (FOR EK)
RV1	1-226-945-00	S	CARBON 20K
S1	1-552-774-00	S	SWITCH,PUSH
JK-6 BOARD			
	1-610-455-00	S	PRINTED CIRCUIT BOARD "JK-6"
J1	1-507-883-00	S	JACK,SMALL TYPE 4P "INTERCOM"

Ref.No.	Part No.	SP	Description
SW-32 BOARD			
	1-616-260-11	S	PRINTED CIRCUIT BOARD "SW-32"
S1	1-570-332-11	S	SWITCH,PUSH
CN1	1-564-008-00	O	RECEPTACLE,9P MALE
	1-562-154-11	O	PLUG HOUSING 9P
	1-564-026-00	O	PLUG CONTACT
-FRAME-			
CN101	1-562-245-00	S	RECEPTACLE,26P "CHU ADAPTOR"
CN102	1-509-942-00	S	RECEPTACLE,14P "POWER IN"
CN103	1-509-176-51	S	RECEPTACLE,3P "MIC IN"
CN104	1-561-320-00	S	RECEPTACLE,8P "VF"
CN105	1-526-531-00	S	RECEPTACLE,4P "DC OUT"
CN106	1-526-531-00	S	RECEPTACLE,4P "TALLY/INTERCOM"
CN107	1-509-942-00	S	RECEPTACLE,14P "CCU"
CN108	1-562-900-11	S	JACK "SERIAL DATA IN"

Ref.No.	Part No.	SP	Description
---CHU ADAPTOR---			
IF-90 BOARD			
	A-7513-276-A	O	MOUNTED CIRCUIT BOARD "IF-90"
C21	1-124-142-00	S	ELECT 470 20% 10V
C24	1-102-959-00	S	CERAMIC 22PF 5% 50V
CN1	1-560-367-00	O	RECEPTACLE,5P MALE
	1-561-517-00	O	PLUG HOUSING 5P
	1-560-372-00	O	PLUG CONTACT
CN2	1-564-007-00	O	RECEPTACLE,8P MALE
	1-562-153-11	O	PLUG HOUSING 8P
	1-564-026-00	O	PLUG CONTACT
CN3	1-564-003-00	O	RECEPTACLE,4P MALE
	1-562-149-11	O	PLUG HOUSING 4P
	1-564-026-00	O	PLUG CONTACT
CN4	1-564-004-00	O	RECEPTACLE,5P MALE
	1-562-150-11	O	PLUG HOUSING 5P
	1-564-026-00	O	PLUG CONTACT
CN5	1-560-356-00	O	RECEPTACLE,2P MALE
	1-561-514-00	O	PLUG HOUSING 2P
	1-560-372-00	O	PLUG CONTACT
CN6	1-564-006-11	O	RECEPTACLE,7P MALE
	1-562-152-11	O	PLUG HOUSING 7P
	1-564-026-11	O	PLUG CONTACT
CN7	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN8	1-564-004-00	O	RECEPTACLE,5P MALE
	1-562-150-11	O	PLUG HOUSING 5P
	1-564-026-00	O	PLUG CONTACT
CN9	1-564-001-11	O	RECEPTACLE,2P MALE
	1-562-147-11	O	PLUG HOUSING 2P
	1-564-026-00	O	PLUG CONTACT
CN10	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT
CN11	1-564-002-00	O	RECEPTACLE,3P MALE
	1-562-148-11	O	PLUG HOUSING 3P
	1-564-026-00	O	PLUG CONTACT

Ref.No.	Part No.	SP	Description
D1	8-719-815-55	S	1S1555
IC1	8-743-150-01	S	BX315: SONY
IC2	8-743-150-01	S	BX315: SONY
IC3	8-759-278-09	S	TA78L009AP: TOSHIBA
IC4	8-759-745-61	S	NJM4560D-D: JRC
Q1	8-729-205-84	S	2SC2458-BL
Q2	8-729-205-84	S	2SC2458-BL
Q3	8-729-205-84	S	2SC2458-BL
Q4	8-729-205-84	S	2SC2458-BL
Q5	8-729-205-84	S	2SC2458-BL
Q6	8-729-205-84	S	2SC2458-BL
Q7	8-729-205-84	S	2SC2458-BL
Q8	8-729-205-84	S	2SC2458-BL
Q9	8-729-800-43	S	2SK152-3
Q11	8-729-266-93	S	2SC2669-Y
Q12	8-729-205-84	S	2SC2458-BL
Q13	8-729-204-83	S	2SA1048-GR
R1	1-215-401-11	S	METAL 150 1% 1/6W
R2	1-215-401-11	S	METAL 150 1% 1/6W
R3	1-215-401-11	S	METAL 150 1% 1/6W
R4	1-215-401-11	S	METAL 150 1% 1/6W
R5	1-215-390-00	S	METAL 51 1% 1/6W
R9	1-215-415-00	S	METAL 560 1% 1/6W
R10	1-215-415-00	S	METAL 560 1% 1/6W
R11	1-215-421-00	S	METAL 1K 1% 1/6W
R19	1-215-421-00	S	METAL 1K 1% 1/6W
R20	1-215-423-00	S	METAL 1200 1% 1/6W
R22	1-215-434-00	S	METAL 3600 1% 1/6W
R24	1-215-394-00	S	METAL 75 1% 1/6W
R25	1-215-390-00	S	METAK 51 1% 1/6W
R29	1-215-415-00	S	METAL 560 1% 1/6W
R30	1-215-415-00	S	METAL 560 1% 1/6W
R31	1-215-421-00	S	METAL 1K 1% 1/6W
R39	1-215-421-00	S	METAL 1K 1% 1/6W
R40	1-215-423-00	S	METAL 1200 1% 1/6W
R42	1-215-434-00	S	METAL 3600 1% 1/6W
R44	1-215-394-00	S	METAL 75 1% 1/6W

Ref.No.	Part No.	SP	Description
T1	1-427-487-00	S	TRANSFORMER,OUTPUT
-FRAME-			
CN101	1-562-244-00	S	RECEPTACLE,26P "CCU ADAPTOR"
CN102	1-561-040-00	S	RECEPTACLE,14P "CAMERA"
CN103	1-509-184-00	S	RECEPTACLE,3P "MIC IN"
CN104	1-561-781-41	S	RECEPTACLE,BNC "GENLOCK OUT"
CN105	1-507-251-XX	S	JACK "SERIAL DATA OUT"
VDR1	1-806-497-00	S	ERZ-C05DK220
VDR2	1-806-497-00	S	ERZ-C05DK220

PACKING MATERIAL & ACCESSORY (SUPPLIED)

	1-551-127-00	S	DC CORD A
	1-556-916-51	S	CABLE,CCQ-0.3AM
	1-556-916-61	S	CABLE,CCQ-0.6AM
	1-558-075-11	S	CABLE,COAXIAL(75 OHM)
	2-249-307-00	S	INDICATOR,REMOTE
	2-277-509-00	O	SHOE,QUICK
	2-380-784-01	O	SPACER,SHOE
	3-701-622-00	S	BAG,POLYETHYLENE (FOR DCCORD AND CORD,COAXIAL)
	3-701-625-00	S	BAG,POLYETHYLENE (FOR CHU ADAPTOR)
	3-701-630-00	S	BAG,POLYETHYLENE (FOR MANUAL)
	3-701-634-00	S	BAG,POLYETHYLENE (FOR CCU ADAPTOR)
	3-760-520-21	S	MANUAL,INSTRUCTION (FOR UC)
	3-760-520-11	S	MANUAL,INSTRUCTION (FOR EK)
	7-682-263-09	S	SCREW +K4*12